



City of Pembroke Pines

**SECOND AMENDMENT TO AGREEMENT  
BETWEEN THE CITY OF PEMBROKE PINES AND  
FERGUSON ENTERPRISES, LLC.**

**THIS AMENDMENT (“Second Amendment”)**, dated June 25, 2024,  
is entered into by and between:

**THE CITY OF PEMBROKE PINES**, a municipal corporation organized and operating under the laws of the State of Florida, with an address of **601 City Center Way, Pembroke Pines, FL 33025**, hereinafter referred to as "CITY",

and

**FERGUSON ENTERPRISES, LLC**, a Limited Liability Company, as listed with the Virginia Division of Corporations, authorized to do business in the State of Florida, and with a business address of **751 Lakefront Commons, Newport News, VA 23606**, hereinafter referred to as "CONTRACTOR". "CITY" and "CONTRACTOR" may hereinafter be referred to collectively as the "Parties" and individually as a "Party".

**WHEREAS**, on **December 20, 2022**, the Parties entered into an Agreement (“Original Agreement”) for the provision of utilities fitting and accessories, on an as needed basis utilizing the terms and pricing offered in the Seminole County IFB-603727/LNF for an initial period, which expired on **July 15, 2023**; and,

**WHEREAS**, the Original Agreement authorized the renewal thereof at the expiration of the initial term for **two (2) additional one (1) year** terms pursuant to written amendments to the Original Agreement; and,

**WHEREAS**, on **July 6, 2023**, the Parties executed the First Amendment to the Original Agreement, to increase the total compensation from two hundred fifty thousand dollars and 00/100 cents (\$250,000.00) to three hundred fifty thousand dollars and 00/100 cents (\$350,000.00), and to renew the term for an additional **one (1) year** period, which expires on **July 15, 2024**; and,

**WHEREAS**, the Seminole County has renewed its agreement with CONTRACTOR for an additional one (1) year period, which will expire on **July 15, 2025**; and,

**WHEREAS**, the Parties desire to increase the total compensation to four hundred thousand dollars and 00/100 cents (\$400,000.00), and to renew the term for an additional **one (1) year** period, which shall commence on **July 16, 2024**, and naturally expire on **July 15, 2025**, as set forth in this Second Amendment.

**W I T N E S S E T H**



City of Pembroke Pines

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**NOW, THEREFORE,** for and in consideration of the sum of the mutual covenants and other good and valuable consideration, the receipt of which are hereby acknowledged, the Parties hereto agree as set forth below:

**SECTION 1.** The recitations set forth in the above "WHEREAS" clauses are true and correct and incorporated herein by this reference.

**SECTION 2.** The Original Agreement is hereby renewed for an additional **one (1) year** period, which shall commence on **July 16, 2024**, and naturally expire on **July 15, 2025**.

**SECTION 3.** Section 3 of the Original Agreement is hereby revised and amended as set forth below:

3. **Compensation and Method of Payment.** CONTRACTOR shall be entitled to invoice CITY based on CITY's purchase order(s) and in accordance with the unit pricing listed in **Exhibit "A"**, attached hereto and made a specific part hereof. All invoices shall include information such as, but not be limited to, date of delivery, quantity, description of product, price, and any other information reasonably required by CITY. The total compensation paid to CONTRACTOR pursuant to this Agreement for the Commodities herein required shall not exceed **FOUR HUNDRED THOUSAND DOLLARS AND 00/100 CENTS (\$400,00.00)**.

**SECTION 4. Scrutinized Companies.** CONTRACTOR, its principals or owners, certify that they are not listed on the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Terrorism Sectors List, or is engaged in business operations with Syria. In accordance with Section 287.135, Florida Statutes, as amended, a company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with any agency or local governmental entity for goods or services of:

4.1 Any amount if, at the time bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, Florida Statutes, or is engaged in a boycott of Israel; or

4.2 One million dollars or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company:

4.2.1 Is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Terrorism Sectors List, created pursuant to Section 215.473, Florida Statutes; or

4.2.2 Is engaged in business operations in Syria.

**SECTION 5. Employment Eligibility.** CONTRACTOR certifies that it is aware of and complies with the requirements of Section 448.095, Florida Statutes, as may be amended from



time to time and briefly described herein below.

5.1 **Definitions for this Section.**

5.1.1 “Contractor” means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration. “Contractor” includes, but is not limited to, a vendor or consultant.

5.1.2 “Contractor” includes, but is not limited to, a vendor or consultant.

5.1.3 “Subcontractor” means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.

5.1.4 “E-Verify system” means an Internet-based system operated by the United States Department of Homeland Security that allows participating employers to electronically verify the employment eligibility of newly hired employees.

5.2 **Registration Requirement; Termination.** Pursuant to Section 448.095, Florida Statutes, effective January 1, 2021, Contractors, shall register with and use the E-verify system in order to verify the work authorization status of all newly hired employees. Contractor shall register for and utilize the U.S. Department of Homeland Security’s E-Verify System to verify the employment eligibility of:

5.2.1 All persons employed by a Contractor to perform employment duties within Florida during the term of the contract; and

5.2.2 All persons (including subvendors/subconsultants/subcontractors) assigned by Contractor to perform work pursuant to the contract with the City of Pembroke Pines. The Contractor acknowledges and agrees that registration and use of the U.S. Department of Homeland Security’s E-Verify System during the term of the contract is a condition of the contract with the City of Pembroke Pines; and

5.2.3 The Contractor shall comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes, but is not limited to registration and utilization of the E-Verify System to verify the work authorization status of all newly hired employees. Contractor shall also require all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than twenty (20) calendar days after the date of termination. Termination of this Contract under this Section is not a breach of contract and may not be considered as such. If this contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of one (1) year after the date of termination.



**SECTION 6.** In the event of any conflict or ambiguity by and between the terms and provisions of this Second Amendment, and the Original Agreement, as amended, the terms and provisions of this Second Amendment shall control to the extent of any such conflict or ambiguity.

**SECTION 7.** The Parties agree that in all other respects the Original Agreement, as amended, shall remain in full force and effect, except as specifically modified herein.

**SECTION 8.** Each exhibit referred to in the Original Agreement, except as repealed herein, forms an essential part of this Second Amendment. The exhibits, if not physically attached, should be treated as part of this Second Amendment and are incorporated herein by reference.

**SECTION 9.** Each person signing this Second Amendment on behalf of either Party individually warrants that he or she has full legal power to execute this Second Amendment on behalf of the Party for whom he or she is signing, and to bind and obligate such Party with respect to all provisions contained in this Second Amendment.

**SECTION 10.** This Second Amendment may be executed by hand or electronically in multiple originals or counterparts, each of which shall be deemed to be an original and together shall constitute one and the same agreement. Execution and delivery of this Second Amendment by the Parties shall be legally binding, valid and effective upon delivery of the executed documents to the other Party through facsimile transmission, email, or other electronic delivery.

**SIGNATURE PAGE FOLLOWS**



City of Pembroke Pines

IN WITNESS OF THE FOREGOING, the Parties have set their hands and seals the day and year first written above.

**CITY:**


CITY OF PEMBROKE PINES, FLORIDA

APPROVED AS TO FORM:

  
\_\_\_\_\_

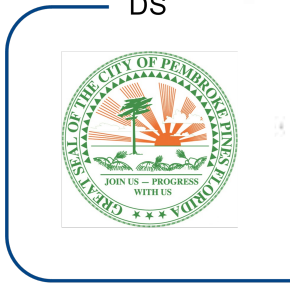
Print Name: Jacob Horowitz  
OFFICE OF THE CITY ATTORNEY

BY:   
\_\_\_\_\_  
E2D2D4AA8795454... June 24, 2024  
MAYOR ANGELO CASTILLO

ATTEST:  
DocuSigned by:  
  
\_\_\_\_\_  
E858EEE04EEF4F3... June 25, 2024  
MARLENE D. GRAHAM, CITY CLERK

BY:   
\_\_\_\_\_  
47B966ECFDAD4AC... June 24, 2024  
CHARLES F. DODGE, CITY MANAGER

DS



**CONTRACTOR:**

**FERGUSON ENTERPRISES, LLC.**

Signed By:   
\_\_\_\_\_

Printed Name: Rob Pinkston

Title: Area Sales Manager

**RESOURCE MANAGEMENT DEPARTMENT**  
**PURCHASING AND CONTRACTS DIVISION**



04/18/2024

Ferguson Enterprises  
1470 Bobby Lee Point  
Sanford, Florida 32771

**RE: IFB-603727-20/LNF Renewal #2 (Final) Term Contract For Inventory Parts for Environmental Services Water and Wastewater Division**

Pursuant to Seminole County Purchasing Code Section 3.554(5)(a), this notice shall serve as authorization to renew the above agreement from **July 16, 2024 through July 15, 2025** as approved by the Seminole County Board of County Commissioners. Current pricing, terms and conditions shall remain the same.

Please remember to keep this office up to date with a **current certificate of insurance with the above contract number referenced on the certificate** as required in the original, contract agreement.

Appropriate County departments and divisions will be notified of this Contract renewal action.

Thank you for your interest in doing business with Seminole County. If you have any questions or need further assistance, please contact our office.

Sincerely,

*Rachel Horne*

Rachel Horne  
Procurement Analyst I

cc: Environmental Services- Water and Wastewater  
County Attorney's Office  
County Comptroller's Office  
File



# City of Pembroke Pines, FL

601 City Center Way  
Pembroke Pines, FL  
33025  
www.ppines.com

## Agenda Request Form

**Agenda Number: 37.**

**File ID:** 24-0594

**Type:** Agreements/Contracts

**Status:** Passed

**Version:** 1

**Agenda  
Section:**

**In Control:** City Commission

**File Created:** 06/10/2024

**Short Title:** Contracts Database Report - June 18th, 2024

**Final Action:** 06/18/2024

**Title: MOTION TO APPROVE THE DEPARTMENT RECOMMENDATIONS FOR THE FOLLOWING ITEMS LISTED ON THE CONTRACTS DATABASE REPORT:**

- (A) AT&T DW Holdings, Inc. d/b/a AT&T Enterprises, LLC - PRI Services - Renewal
  - (B) Camelot Community Care, Inc. - Behavioral Health Services - Renewal
  - (C) Ferguson Enterprises, LLC - Utilities Fitting and Accessories - Renewal
  - (D) Granicus, LLC - Legistar Software Maintenance - Renewal
  - (E) Instructure, Inc. - Canvas Learning Management Software - Renewal
  - (F) Randy S. Katz, D.O., P.L. - Interim Medical Director - Renewal
  - (G) S. Katz, Inc. - Medical Director - Renewal
  - (H) School Board of Washington Count - Panhandle Area Educational Consortium (PAEC) - Renewal
  - (I) Vigilant Solutions, Inc. - ESA - License Plate Reader - Annual Hosting and Software Subscriptions & Maintenance - Renewal
- ITEM (J) WILL EXPIRE WITH NO RENEWAL TERMS AVAILABLE, THEREFORE, NO COMMISSION ACTION IS REQUIRED AS IT IS PRESENTED FOR NOTIFICATION PURPOSES ONLY PURSUANT TO SECTION 35.29 (F) OF THE CITY'S PROCUREMENT CODE:**
- (J) Clean Harbors Environmental Services, Inc. - Household Hazardous Waste Collection and Disposal Services - Non-Renewal

**\*Agenda Date:** 06/18/2024

Agenda Request Form Continued (24-0594)

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**Agenda Number:** 37.

**Internal Notes:**

**Attachments:** 1. Contract Database Report - June 18th, 2024, 2. A. AT&T DW Holdings - PRI Agreement (All Backup), 3. B. Camelot Community Care-Behavioral Health (AB), 4. C. Ferguson Enterprises, LLC. - Utilities Fittings and Accessories (AB), 5. D. Granicus Inc - Legistar Software (All Backup), 6. E. Instructure Inc. - Canvas software for Charter Schools (AB), 7. F. Randy Katz - Interim Medical Director (AB), 8. G. S Katz, Inc. - Medical Director Services (AB), 9. H. School Board of Washington County PAEC Agreement (all backup), 10. I. Vigilant Solutions, Inc. - LPR ESA (all backup), 11. J. Clean Harbors Environmental Services Agreement - HHW (Piggyback CCreek)(all backup)

**Related Files:**

1 City Commission 06/18/2024 approve Pass  
**Action Text:** A motion was made to approve on the Consent Agenda  
Aye: - 5 Mayor Castillo, Vice Mayor Good Jr., Commissioner Rodriguez,  
Commissioner Schwartz, and Commissioner Hernandez  
Nay: - 0

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**MOTION TO APPROVE THE DEPARTMENT RECOMMENDATIONS FOR THE FOLLOWING ITEMS LISTED ON THE CONTRACTS DATABASE REPORT:**

- (A) AT&T DW Holdings, Inc. d/b/a AT&T Enterprises, LLC - PRI Services - Renewal
- (B) Camelot Community Care, Inc. - Behavioral Health Services - Renewal
- (C) Ferguson Enterprises, LLC - Utilities Fitting and Accessories - Renewal
- (D) Granicus, LLC - Legistar Software Maintenance - Renewal
- (E) Instructure, Inc. - Canvas Learning Management Software - Renewal
- (F) Randy S. Katz, D.O., P.L. - Interim Medical Director - Renewal
- (G) S. Katz, Inc. - Medical Director - Renewal
- (H) School Board of Washington Count - Panhandle Area Educational Consortium (PAEC) - Renewal
- (I) Vigilant Solutions, Inc. - ESA - License Plate Reader - Annual Hosting and Software Subscriptions & Maintenance - Renewal

**ITEM (J) WILL EXPIRE WITH NO RENEWAL TERMS AVAILABLE, THEREFORE, NO COMMISSION ACTION IS REQUIRED AS IT IS PRESENTED FOR NOTIFICATION PURPOSES ONLY PURSUANT TO SECTION 35.29 (F) OF THE CITY’S PROCUREMENT CODE:**



(J) Clean Harbors Environmental Services, Inc. - Household Hazardous Waste Collection and Disposal Services - Non-Renewal

**SUMMARY EXPLANATION AND BACKGROUND:**

1. Pursuant to Section 35.29(F) "City Commission notification" of the City's Code of Ordinances, "The City Manager, or his or her designee, shall notify the Commission, in writing, at least three months in advance of the expiration, renewal, automatic renewal or extension date, and shall provide a copy of the contract or agreement and a vendor performance report card for the contract or agreement to the City Commission."
2. On May 17, 2017, Commission approved the motion to place all contracts from the Contract Database Reports on consent agendas as they come up for contractual term renewal so that City Commission affirms directions to administration whether to renew or to go out to bid.
3. The Agreements shown below are listed on the Contracts Database Reports for renewal.

**(A) AT&T DW Holdings, Inc. d/b/a AT&T Enterprises, LLC - PRI Services - Renewal for Technology Services Department**

1. On July 29th, 2021, the City entered into an Agreement with Bellsouth Telecommunications, LLC d/b/a AT&T Southeast for a twelve (12) month period, which expired on July 31st, 2022.
2. Bellsouth Telecommunications, LLC d/b/a AT&T Southeast provides primary rate interface ("PRI") services (end to end digital telecommunications for voice lines) for the City facilities and Charter School campuses.
3. The 2021 Agreement formalized the services which had been provided since 2014 and authorizes the renewal of existing circuits for successive twelve-month terms.
4. On August 23rd, 2022, the parties executed a Renewal Agreement to extend the term for an additional, one (1) year period which expired on July 31st, 2023.
5. On June 26th, 2023, the parties executed a Renewal Agreement to extend the term for an additional, one (1) year period which will expire on July 31st, 2024.
6. Bellsouth Telecommunications, LLC d/b/a AT&T Southeast has subsequently been acquired by AT&T DW Holdings, Inc. d/b/a AT&T Enterprises, LLC.
7. The Technology Services Department recommends that the City Commission approve the renewal of existing services for an additional twelve (12) month renewal term commencing on August 1st, 2024, and expiring on July 31st, 2025, as allowed by the Agreement.

**FINANCIAL IMPACT DETAIL:**

Agenda Request Form Continued (24-0594)

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- a) **Renewal Cost:** \$44,824.80  
b) **Amount budgeted for this item in Account No:**

Monthly invoices for PRI services are spread across multiple City departments as well as all Charter School campuses using the following account codes -

City Departments: billed against 541100 (Telephone)  
Charter Schools: billed against 541370 (Communications)

- c) **Source of funding for difference, if not fully budgeted:** Not Applicable

- d) **1-year projection of the operational cost of the project**

This agreement is for a one-year period commencing August 01, 2024. Therefore, projected operational costs will follow the City's and Charter School fiscal calendars. August 01, 2024, to September 30, 2024 for City department budgets and August 01, 2024 to June 30, 2025 for Charter School's budget.

541370 (Communications):

	Current City FY	FY 2024-25
Revenues	\$0.00	\$0.00
Expenditures	\$0.00	\$7,500.00
Net Cost	\$0.00	\$7,500.00

541100 (Telephone):

	Current City FY	FY 2024-25
Revenues	\$0.00	\$0.00
Expenditures	\$6,220.80	\$31,104.00
Net Cost	\$6,220.80	\$31,104.00

- e) **Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

- a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable  
b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(B) Camelot Community Care, Inc. - Behavioral Health Services - Renewal for Charter High School**

1. On September 15, 2016, the City entered into an Agreement with Camelot Community

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Care, Inc. for the provision of behavioral services on as needed basis to certain students enrolled at the Pembroke Pines Charter High School, for an initial one (1) year period, which expired on June 30, 2017.

2. Section 5.2 of the Original Agreement allows for additional one (1) year renewal terms upon mutual consent, evidenced by written Amendments extending the term thereof.

3. To date the Original Agreement has been renewed six (6) times, extending the term to June 30, 2024.

4. Furthermore, on April 6, 2022, the Parties executed the Sixth Amendment to decrease the scope of services and the total annual compensation from \$28,754.00 to \$27,850.00.

5. The City of Pembroke Pines Charter High School recommends that the City Commission approve this Eighth Amendment to renew the term for an additional one (1) year period, which shall commence on July 1, 2024, and naturally expire on June 30, 2025, as allowed by the agreement.

**FINANCIAL IMPACT DETAIL:**

**a) Renewal Cost:** \$27,850.00

**b) Amount budgeted for this item in Account No:**

172-569-5053-531310-6130-310-0000- Professional Svc - Tech Svc

**c) Source of funding for difference, if not fully budgeted:** N/A

**d) 1 year projection of the operational cost of the project:**

	FY 2024-2025
Revenues	\$ .00
Expenditures	\$27,850.00
Net Cost	\$27,850.00

**e) Detail of additional staff requirements:** N/A

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

**a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** N/A

**b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** N/A

**(C) Ferguson Enterprises, LLC - Utilities Fitting and Accessories - Renewal for Utilities**

**Agenda Request Form Continued (24-0594)**

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**Department**

1. On December 20, 2022, the City entered into an Agreement with Ferguson Enterprises, LLC., utilizing the terms and pricing offered in Seminole County IFB-603727/LNF for the provision of utilities fitting and accessories, on an as needed basis which expired on July 15, 2023.
2. Section 4.1 of the Original Agreement authorizes the renewal of the Original Agreement for two (2) additional one (1) year renewal terms upon mutual consent, evidenced by a written Amendment.
3. On July 6, 2023, the City Commission authorized to enter into the First Amendment to the Original Agreement, to increase the total compensation from \$200,000 to \$350,000, and to renew the term for an additional one (1) year period, which expires on July 15, 2024.
4. The Seminole County has renewed its Agreement with Ferguson Enterprises, LLC., for an additional one (1) year period, which will expire on July 15, 2025.
5. The Utilities Department recommends that the City Commission approve this Second Amendment to increase the total compensation to \$400,000 and to renew the term for an additional and final one (1) year period, which shall commence on July 16, 2024, and naturally expire on July 15, 2025, as allowed by the agreement.

**FINANCIAL IMPACT DETAIL:**

**a) Renewal Cost:** \$400,000.00

**b) Amount budgeted for this item in Account No:**

\$70,000.00 is available in Account no. 471-535-6021-546150-0000-000-0000- (R&M Land & Bldg)

\$30,000.00 is available in Account no. 471-533-6032-546150-0000-000-0000- (R&M Land & Bldg)

**c) Source of funding for difference, if not fully budgeted:** Not Applicable.

**d) 2-year projection of the operational cost of the project:**

	Current FY	Year 2
Revenues	\$0.00	\$0.00
Expenditures	\$100,000.00	\$300,000.00
Net Cost	\$100,000.00	\$300,000.00

**e) Detail of additional staff requirements:** Not Applicable.

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

**a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable

**b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(D) Granicus, LLC - Legistar Software Maintenance - Renewal for City Clerk**

1. On October 11th, 2016, the City entered into a Service Agreement with Granicus, Inc. for an initial three (3) year period, which expired on October 10th, 2019.
2. The City of Pembroke Pines City Clerk Department utilizes Granicus, Inc. to provide Legistar Software Maintenance and Closed Captioning Services.
3. Section 8.1 of the Original Agreement authorizes the renewal of the Original Agreement for additional one (1) year renewal terms upon mutual consent, evidenced by a written Amendment.
4. To date the Original Agreement has been amended three (3) times to include additional services and renewed for four (4) additional, one (1) year terms extending the term to September 30th, 2023.
5. On May 10th, 2023, the City executed the Eighth Amendment to approve assignment of the agreement to Granicus, LLC, following the acquisition and merger of Granicus, Inc. by Granicus, LLC.
6. On August 2, 2023, the City executed the Ninth Amendment to remove the VoteCast Tablet component of the services and to extend the term for an additional, one (1) year period which will expire on September 30, 2024.
7. The City Clerk's Office wishes to upgrade the Granicus encoder as Granicus cannot continue to support the existing one. Upgrading the Granicus encoder will also require some of our current subscription to expire to be replaced by a subscription of the new version of our existing subscriptions.

Our current subscription for Government Transparency Suite and Meeting Efficiency Suite will be replaced by GovMeetings Live Cast. Granicus Encoding Appliance Software (GT) will be replaced by Granicus Live Cast Encoding Software, and our subscription for Upgrade to SDI 720p Streaming will be replaced by Upgrade to 1080p Streaming.

The cost to renew our existing subscription is \$38,677.45, the cost of the one-time fees to upgrade the Granicus encoder is \$7,776, which includes a \$250 prorated fee for terminating existing subscriptions, and the cost for our new subscriptions is \$33,966.35 for a total annual cost of \$80,419.80.

8. The City Clerk Department recommends that the City Commission approve this Tenth Amendment to upgrade the encoder during the current subscription period, to terminate

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specific subscriptions and replace them with the new version of those subscriptions, and to extend the subscription term for an additional one (1) year period, which shall commence on October 1st, 2024, and naturally expire on September 30th, 2025, as allowed by the Agreement.

**FINANCIAL IMPACT DETAIL:**

**a) Upgrade and Renewal Cost:** \$80,419.80 (\$7,776.00 upgrade cost; \$72,643.80 subscription cost)

**b) Amount budgeted for this item in Account No:** \$7,776.00 in Account 001-519-1001-534995-0000-000-0000 - Other Svc - IT; \$72,643.80 in Account 001-519-1001-552652-0000-000-0000 - Non-Capital Software & Licenses

**c) Source of funding for difference, if not fully budgeted:** Not Applicable

**d) 1-year projection of the operational cost of the project:**

	FY 2024	FY 2025
Revenues	\$0.00	\$0.00
Expenditures	\$7,776.00	\$72,643.80
Net Cost	\$7,776.00	\$72,643.80

**e) Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

**a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable

**b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(E) Instructure, Inc. - Canvas Learning Management Software - Renewal for Charter Schools**

1. On October 3, 2017, the City entered into an Agreement with Instructure, Inc. for the provision of Canvas Learning Management Software for the City's Charter Schools, for an initial four (4) year period, which expired on June 30, 2021.

2. On August 16, 2018, the City approved to add the additional services of the Canvas Cloud Subscription.

3. On June 16, 2021, the City entered into an Agreement renewing the term for an additional three (3) year period, which expires on June 30, 2024.

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4. The City’s Charter Schools recommends the City Commission to approve this Agreement to renew the term for a three (3) year period, which shall commence on July 1, 2024, and naturally expire on July 31, 2027.

**FINANCIAL IMPACT DETAIL:**

- a) **Renewal Cost:** \$118,720.79 (Renewal cost for the three (3) year term).
- b) **Amount budgeted for this item in Account No:** \$39,055.30 will be budgeted in the 2024-2025 Proposed Charter School Budgets within the following Non-capitalized Software Accounts.

**Non-capital Software Accounts**

School Site	Account Coding	Amount
East Elementary (K-3)	170-569-5051-552652-5101-369-0000-00550	\$ 3,035.62
East Elementary (4-5)	170-569-5051-552652-5102-369-0000-00550	\$ 1,495.16
West Elementary (K-3)	170-569-5051-552652-5101-369-0000-00551	\$ 2,601.96
West Elementary (4-5)	170-569-5051-552652-5102-369-0000-00551	\$ 1,281.56
Central Elementary (K-3)	170-569-5051-552652-5101-369-0000-00552	\$ 2,601.96
Central Elementary (4-5)	170-569-5051-552652-5102-369-0000-00552	\$ 1,281.56
West Middle	171-569-5052-552652-5102-369-0000-00553	\$ 4,239.51
Central Middle	171-569-5052-552652-5102-369-0000-00554	\$ 4,401.33
Academic Village Middle	172-569-5053-552652-5102-369-0000-	\$ 1,941.77
Academic Village High	172-569-5053-552652-5103-369-0000-	\$ 11,650.57
FSU Elementary (K-3)	173-569-5061-552652-5101-369-0000-	\$ 3,031.28
FSU Elementary (4-5)	173-569-5061-552652-5102-369-0000-	\$ 1,493.02
<b>Total</b>		<b>\$ 39,055.30</b>

- c) **Source of funding for difference, if not fully budgeted:** Not applicable.
- d) **5 year projection of the operational cost of the project:**

	FY2024-25	FY2025-26	FY2026-27	Year 4	Year 5
Revenue	\$ .00	\$ .00	\$ .00	\$ .00	\$ .00
Expenditures	\$39,055.30	\$38,663.32	\$41,002.17	\$ .00	\$ .00
Net Cost	\$39,055.30	\$38,663.32	\$41,002.17	\$ .00	\$ .00

- e) **Detail of additional staff requirements:** Not applicable.

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

- a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable
- b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

Agenda Request Form Continued (24-0594)

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**(F) Randy S. Katz, D.O., P.L. - Interim Medical Director - Renewal for Fire Department**

1. On June 5, 2019, the City entered into an Agreement with Randy S. Katz, D.O., P.L. to employ an Interim Medical Director to supervise and assume direct responsibility for the medical performance of the City's emergency medical technicians and paramedics on an as-needed basis for an initial one (1) month period, commencing on June 5, 2019. Randy S. Katz, D.O., P.L. only performs whenever the Medical Director is unable to provide the services to the City.
2. Section 3.1 of the Original Agreement allows for automatic month-to-month renewals unless the Agreement is terminated.
3. To date the City Commission has approved continuation of the Original Agreement up to September 30, 2024.
4. On April 11, 2023, the Parties executed the First Amendment to the Original Agreement, to increase the monthly fee from \$3,341.83 to \$3,475.51 and to approve the continuation of the Interim Medical Agreement on a month-to-month basis.
5. The Fire Department recommends that the City Commission approve the continuation of the Interim Medical Director agreement on a month-to-month basis up to September 30, 2025, as allowed by the Agreement.

**FINANCIAL IMPACT DETAIL:**

- a) **Initial Cost:** \$41,706.12
- b) **Amount budgeted for this item in Account No:**  
001-529-4003-531509-0000-000-0000- Professional Svc - Other Rescue
- c) **Source of funding for difference, if not fully budgeted:** Not Applicable
- d) **1-year projection of the operational cost of the project** Not Applicable

	FY-2024-2025
Revenues	\$ .00
Expenditures	\$41,706.12
Net Cost	\$41,706.12

- e) **Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

- a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor**



Agenda Request Form Continued (24-0594)

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**Conducted for this service?** Not Applicable

**b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(G) S. Katz, Inc. - Medical Director - Renewal for Fire Department**

1. On June 5, 2019, the City entered into an Agreement with S Katz, Inc. to employ a Medical Director to supervise and assume direct responsibility for the medical performance of the City's emergency medical technicians and paramedics, for an initial one (1) year period, which expired on June 4, 2020.
2. Section 3.1 of the Original Agreement authorizes renewal of the Original Agreement for five (5), additional, one (1) year renewal terms upon mutual consent of the parties.
3. On April 15, 2020, the parties executed the First Amendment to the Original Agreement to renew the term for an additional one (1) year period, which expired on June 4, 2021.
4. On March 17, 2021, the parties executed the Second Amendment to the Original Agreement to renew the term for an additional one (1) year period, which expired on June 4, 2022.
5. On March 2, 2022, the parties executed the Third Amendment to the Original Agreement to renew the term for an additional one (1) year period, which expired on June 4, 2023.
6. On April 11, 2023, the parties executed the Fourth Amendment to the Original Agreement to increase the annual compensation from forty thousand, one hundred two dollars and 00/100 cents (\$40,102.00) to forty-one thousand, seven hundred six dollars and 08/100 cents (\$41,706.08) and to renew the term for a sixteen (16) month period, which will expire on September 30, 2024.
7. The Fire Department recommends that the City Commission approve this Fifth Amendment to renew the term for an additional and final one (1) year period, which shall commence on October 1, 2024, and naturally expire on September 30, 2025, as allowed by the Agreement.

**FINANCIAL IMPACT DETAIL:**

**a) Initial Cost:** \$41,706.08

**b) Amount budgeted for this item in Account No:**

001-529-4003-531509-0000-000-0000- Professional Svc - Other Rescue

**c) Source of funding for difference, if not fully budgeted:** Not Applicable

**d) 1-year projection of the operational cost of the project** Not Applicable

	FY-2024-2025
Revenues	\$ .00
Expenditures	\$41,706.08
Net Cost	\$41,706.08

e) **Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable

b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(H) School Board of Washington Count - Panhandle Area Educational Consortium (PAEC) - Renewal for FSU Charter School**

1. On June 15, 2023, the City entered into an Agreement with The School Board of Washington County, Florida, Panhandle Area Education Consortium (“PAEC”) for an initial one (1) year period, commencing July 1, 2023, and expiring June 30, 2024.

2. The Pembroke Pines-Florida State University Charter Elementary School participates in the professional development plan for teachers through the Panhandle Area Educational Consortium (PAEC.) This professional development plan allows teachers to participate in trainings, record in-service points for re-certification, and fulfill requirements for added endorsements. PAEC requires approval for all plans and contracts through the governing board of each school.

3. Section VI of the Original Agreement authorizes the renewal of the Original Agreement for an additional one (1) year renewal term. Dean Damon Andrew from the Florida State University District has signed the contract to renew the professional development plan for the teachers of the Pembroke Pines-Florida State University Charter Elementary School. In addition, the dues for these services will be paid by Florida State University.

4. The Charter School FSU Campus recommends that the City Commission approve this renewal Agreement for the term commencing on July 1, 2024, and expiring on June 30, 2025, as allowed by the Agreement.

**FINANCIAL IMPACT DETAIL:**

a) **Renewal Cost:** There is no cost to the City of Pembroke Pines. The FSU District pays for these services.

b) **Amount budgeted for this item in Account No:** Not Applicable

c) **Source of funding for difference, if not fully budgeted:** Not Applicable

d) **5-year projection of the operational cost of the project** Not Applicable

e) **Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable

b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not applicable

**(I) Vigilant Solutions, Inc. - ESA - License Plate Reader - Renewal for Police Department**

1. On November 16, 2015, the City entered into an Enterprise Service Agreement with Vigilant Solutions for an initial one (1) year period, which commenced on January 16, 2016 (60 days from the effective date), and expired on January 16, 2017.

2. The City of Pembroke Pines Police Department utilizes Vigilant Solutions to provide software licenses for their license plate reader database, systems, and associated cameras. The Original Agreement included the Intelligence-Led Policing Package up to November 2021 at which time the Police Department switched to the Basic LPR Service Package with the Investigative Data Platform (IDP).

3. Section III.A of the Original Agreement authorizes the extension of the Original Agreement for additional, one (1) year Service Periods.

4. The Original Agreement was extended six (6) Service Periods, extending the term to January 14, 2022.

5. On November 3, 2021, the parties entered into the Seventh Amendment to switch to Basic Service, and enter into the IDP agreement, to renew for a seventh term and align the Service Period with the City's fiscal year, extending the term to September 30, 2023.

6. On September 11, 2023, and October 3, 2023, the parties signed the Eighth Amendment and the Amended and Restated Eighth Amendment, respectively, renewing the Service Periods, clarifying the annual amounts, and extending the term to September 30, 2024.

7. The Police Department recommends that the City Commission approve this Ninth Amendment for the one (1) year renewal term commencing on October 1, 2024, and expiring on September 30, 2025, as allowed by the Agreement.

**FINANCIAL IMPACT DETAIL:**

Agenda Request Form Continued (24-0594)

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a) **Renewal Cost: \$57,714.30**

b) **Amount budgeted for this item in Account No:** \$37,000.00 in account #001-521-3001-534990-0000-000-0000-: Other Svc; and \$21,840.00 in account # 001-521-3001-546800-0000-000-0000-: Maintenance Contracts.

c) **Source of funding for difference, if not fully budgeted:** Not Applicable

d) **1-year projection of the operational cost of the project:**

	FY 2024-25
Revenues	\$0.00
Expenditures	\$57,714.30
Net Cost	\$57,714.30

e) **Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable

b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(J) Clean Harbors Environmental Services, Inc. - Household Hazardous Waste Collection and Disposal Services - Non-Renewal**

1. On February 2, 2022, the City entered into an Agreement with Clean Harbors Environmental Services, Inc. for an eight (8) month period, expiring October 23, 2022.

2. Clean Harbors Environmental Services, Inc. provides household hazardous waste collection and disposal services for the city's residents.

3. The Original Agreement provided for one (1) additional two (2) year renewal term should the City of Coconut Creek renew the term of their agreement. The City of Coconut Creek and the Contractor subsequently revised the renewal terms to two (2), one (1) year renewal terms.

4. On October 27, 2022, and November 7, 2023, the parties entered into the First Amendment and Second Amendment, respectively, extending the term of the Agreement for one (1) year each, up to October 23, 2024.

5. The Agreement does not provide for any further renewal terms and the Southeast Florida Cooperative is working on procuring a new contract, which the City will explore and will present to City Commission for recommendation.

Agenda Request Form Continued (24-0594)

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/1/2025

6/6/2024

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

<b>PRODUCER</b> Lockton Companies 3280 Peachtree Road NE, Suite #1000 Atlanta GA 30305 (404) 460-3600	<b>CONTACT NAME:</b> <b>PHONE (A/C. No. Ext):</b> _____ <b>FAX (A/C. No.):</b> _____ <b>E-MAIL ADDRESS:</b> _____												
<b>INSURER(S) AFFORDING COVERAGE</b>													
<b>INSURED</b> 1532053 Ferguson Enterprises, LLC and Subsidiaries (See attached Named Insured Schedule) 751 Lakefront Commons Newport News VA 23606	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"><b>INSURER A :</b> ACE American Insurance Company</td> <td style="width: 20%; text-align: center;">22667</td> </tr> <tr> <td><b>INSURER B :</b> Indemnity Insurance Co of North America</td> <td style="text-align: center;">43575</td> </tr> <tr> <td><b>INSURER C :</b> ACE Fire Underwriters Insurance Company</td> <td style="text-align: center;">20702</td> </tr> <tr> <td><b>INSURER D :</b></td> <td></td> </tr> <tr> <td><b>INSURER E :</b></td> <td></td> </tr> <tr> <td><b>INSURER F :</b></td> <td></td> </tr> </table>	<b>INSURER A :</b> ACE American Insurance Company	22667	<b>INSURER B :</b> Indemnity Insurance Co of North America	43575	<b>INSURER C :</b> ACE Fire Underwriters Insurance Company	20702	<b>INSURER D :</b>		<b>INSURER E :</b>		<b>INSURER F :</b>	
<b>INSURER A :</b> ACE American Insurance Company	22667												
<b>INSURER B :</b> Indemnity Insurance Co of North America	43575												
<b>INSURER C :</b> ACE Fire Underwriters Insurance Company	20702												
<b>INSURER D :</b>													
<b>INSURER E :</b>													
<b>INSURER F :</b>													

**COVERAGES** **CERTIFICATE NUMBER: 20414785** **REVISION NUMBER: XXXXXXXX**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER: _____	Y	N	HDO G47300009	5/1/2024	5/1/2025	EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 5,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 5,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000 \$
A	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> Self Insured <input checked="" type="checkbox"/> Physical Damage	N	N	ISA H1069114A	5/1/2024	5/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> <b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED _____ RETENTION \$ _____			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
B A C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N	N/A	WLR C50673832 (AOS) WLR C50673728 (AZ,CA,MA,OR) RWC C5067390A (WI)	5/1/2024 5/1/2024 5/1/2024	5/1/2025 5/1/2025 5/1/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**  
 Workers Compensation Policy WLR C50673832 provides coverage for AK, AL, AR, CO, CT, DC, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MD, ME, MI, MN, MO, MS, MT, NC, NE, NH, NJ, NM, NV, NY, OK, PA, RI, SC, SD, TN, TX, UT, VA, VT, WV - \$2,000,000 stop gap liability limit is provided for OH, WA, ND, and WY.

**CERTIFICATE HOLDER**

**CANCELLATION** See Attachment

<b>20414785</b> City of Pembroke Pines 601 City Center Way Pembroke Pines FL 33025	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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Re: (f/k/a Sunstate Meter & Supply) Purchase Agreement for Commodities & Services. City of Pembroke Pines is included as an Additional Insured under General Liability as required by written contract but only with respect to liability caused by the Named Insured's operations.

Effective Date	Company	Effective Date	Company
4/1/1975	Acquisition - Charleston, SC	3/16/1992	Chatham Pipe & Supply
5/1/1976	Southern States Supply Company, Inc.	11/2/1992	U.S. Supply Company
11/1/1977	Atlas Supply Company, Inc.	8/2/1993	Armstrong Plumbing Supply Company, Inc.
12/31/1980	SCL Equipment Corporation	10/4/1993	Hub Inc.
1/28/1983	Universal Supply Company, Inc.	6/27/1994	Automatic Temperature Supplies Inc.
3/10/1983	Central Plumbing Supply Company	6/5/1995	Lyon, Conklin & Co., Inc.
1/1/1984	Riverside Supply Company, Inc.	7/10/1995	Wilmington Plumbing Supply Co., Inc.
5/1/1984	McKenna Supply Company	11/13/1995	Walden Industrial Supply Co., Inc.
10/30/1984	Cooper Supply Company	12/18/1995	Wisconsin River Supply Company
1/15/1985	Plumbers Supply Company, Inc.	2/26/1996	Columbia Supply Corporation
6/4/1985	R. W. Farmer Supply Co., Inc.	9/30/1996	Great Lakes Plumbing Supply, Inc.
1/7/1986	The Warner Company, Inc.	10/15/1996	General Plumbing Supply Co. of MD, Inc.
10/1/1986	Underground Supply Company, Inc.	11/23/1996	J&G Products Company, Inc.
12/30/1986	Terry Supply Company	5/5/1997	Central Engineering and Supply, Co., Inc.
12/31/1986	Virginia Supply and Well Company	6/30/1997	Standard of Lynn, Inc.
1/5/1988	Geo. McGinley Supply Co., Inc.	8/25/1997	Cities Supply Company, Inc.
1/29/1988	LBS Supply, Inc.	9/22/1997	Raleigh Supply Company, Inc.
12/29/1989	C. Selzer & Sons, Inc.	10/8/1997	Climate Makers of Charleston, Inc.
4/1/1990	Consumer's Supply Company, Inc.	11/3/1997	South Bend Supply Company, Inc.
5/20/1991	Gonnan Air Conditioning Company, Inc.	12/15/1997	Jaime Salicrup, Inc.
3/4/1992	Cain & Bulirnan, Inc.	1/7/1998	Steel City Wholesalers
3/30/1998	Tozour Unitary Product Division	6/18/2001	Mid-Cities - Dallas, TX
6/1/1998	Forward Enterprises	6/30/2001	Westburne Supply, Inc.
7/1/1998	Esco Supply Company	4/8/2002	Clayton Acquisition Company
10/29/1998	L&H Plumbing & Heating Supply	5/6/2002	Sumner & Dunbar
12/23/1998	Fields & Company of Lubbock, Inc.	5/13/2002	Tahoe Truckee Supply
1/25/1999	Dunaway's Wides Pipe & Supply Co., Inc.	1/13/2003	York Factory Branch - Corona, CA
3/30/1999	Alamo Plumbing Supply Co.	1/13/2003	Triangle Supply, Inc.
4/26/1999	Plumbers Specialty Company, Inc.	4/7/2003	Linwood Pipe and Supply Co., Inc.
6/1/1999	Midwest Pipe & Supply	4/14/2003	Hanco Supply, Inc.
8/2/1999	Thrall Distribution, Inc.	6/2/2003	Huskey, Inc.
8/4/1999	Goldberg Company (GCI)	6/16/2003	A-1 Pipe
8/30/1999	The Gage Company	9/15/2003	Liberty Equipment
9/15/1999	Baker Pipe and Supply Company	12/15/2003	High Country
1/24/2000	Donovan Industrial Supply Corporation	1/19/2004	Builder's Plumbing Supply
3/6/2000	Plumbing & Mill Supplies, Incorporated	3/29/2004	Municipal Pipe



Effective Date	Company	Effective Date	Company
6/12/2000	Eastern Sewer Pipe Corp.	9/1/2004	Cline Contract Sales
8/21/2000	Pesco Pipe and Supply Co.	11/22/2004	Clark Supply
9/11/2000	Fire Protection Supply Company	12/7/2004	R Supply
1/8/2001	Sunbelt Marketing	12/31/2004	Parnell Martin
3/1/2001	Red Hed Supply	1/31/2005	JD Daddario
5/21/2001	Mid-Cities - Plant City, FL	2/8/2005	Meckco Supply
5/1/2005	Full Service Supply	5/22/2006	Central Lighting Supply
5/23/2005	United Supply & Distributing	8/1/2006	Palermo
6/26/2005	Webb Distributors, Inc.	8/1/2006	Waterworks Supply
8/15/2005	Park Supply	8/21/2006	United Automatic
8/29/2005	S&S Fabricators	10/2/2006	Castle Supply
9/12/2005	Contractor's Field Products	10/2/2006	Castle North
9/19/2005	Economy Plumbing Supply	10/2/2006	Lawrence Supply
9/30/2005	Endries International	10/2/2006	Northern Water Works Supply
10/17/2005	Camellia Valley Supply	10/16/2006	Gulf Refrigeration
11/7/2005	LAB Appliances	10/16/2006	Kandall
11/15/2005	Mobile Supply	12/4/2006	Ondalay Pipe
11/30/2005	Frischkorn	12/11/2006	Page's Appliance
12/19/2005	South Lake Tahoe	12/18/2006	Guntersville Fab
1/9/2006	Colgan	12/29/2006	Cal-Steam
2/21/2006	Dixie Plumbing Supply	2/7/2007	Grif-Fab
3/13/2006	Alamo Pipe	2/28/2007	Improvement Direct
3/20/2006	Indiana Plumbing Supply	7/30/2007	Fire Fab
4/10/2006	Pipe Products	8/13/2007	Western Air
4/24/2006	Davies Water	8/27/2007	Davidson Pipe & Supply
5/8/2006	Central Supply	11/5/2007	JD Wholesale
5/22/2006	Supply North Central Group	12/30/2007	JC Plumbing
2/18/2008	Mastercraft Cabinets	2/9/2015	Builders Appliance Center
9/1/2009	DPS	2/23/2015	The Ar-Jay Center
12/31/2010	Summit Pipe & Supply	3/9/2015	Equarius Waterworks, Inc.
8/29/2011	Louisiana Chemical PVF	3/16/2015	Redlon & Johnson Supply
9/26/2011	SG Supply	4/27/2015	Arkansas Supply, Inc.
11/7/2011	Groeniger	5/18/2015	Ecomfort Holdings Inc.
4/23/2012	Reese Kitchens	6/8/2015	WR White Supply
9/25/2012	Power Equipment Direct, Inc. (PED)	8/24/2015	S&P Investment, Inc. (dba - Central Pipe & Supply)

Effective Date	Company	Effective Date	Company
10/1/2012	Davis & Warshow	10/1/2015	Living Direct, Inc.
2/11/2013	Fluid Systems Hawaii, Inc.	10/19/2015	Atlantic American Fire Equipment Company
1/20/2014	Karl's Sales and Service - Karls Appliance	10/27/2015	Renwes Appliances, Inc.
3/31/2014	Waterworks Industries	11/16/2015	Action Fire Fab & Supply, Inc.
4/28/2014	Factory Direct Appliance	1/25/2016	Professional Cleaning Service and Supply Corporation (PCS Industries)
5/31/2014	Capstone Global Solutions	4/4/2016	Andrews Lighting Gallery, Inc.
6/9/2014	HP Products (and HP Logisitics)	4/18/2016	Dealernet, LLC
8/18/2014	Joseph G. Pollard Co. Inc.	4/18/2016	The Bath + Beyond
9/14/2014	Powell Pipe & Supply Co.	5/23/2016	Bruce-Rogers Company
10/6/2014	Spillius, Inc. (dba City Lights and Design)	6/13/2016	Michigan Pipe and Valve-Flint, Inc.
11/17/2014	Global HVAC Distributors, Inc.	6/27/2016	Michigan Pipe and Valve-Lansing, Inc.
12/8/2014	Ship-Pac, Inc.	7/11/2016	Michigan Meter Technology Group, Inc.
12/8/2014	McFarland Supply Co., Inc.	8/1/2016	Clawfoot Supply LLC d/b/a Signature Hardware
8/29/2016	Westfield Lighting Co., Inc.	10/22/2018	Dogwood Building Supply
10/10/2016	Ramapo Wholesalers Inc.	10/29/2018	Capital Distributing
10/24/2016	The Plumbing Source, Inc.	11/19/2018	Roberston Supply
11/14/2016	Underground Pipe & Valve, Inc.	12/10/2018	Wallwork Bros., Inc
12/12/2016	Matera Paper Company, Inc.	12/11/2018	Blackman
2/13/2017	P.V. Sullivan	1/28/2019	James Martin Furniture
2/20/2017	Custom Lighting & Hardware	2/4/2019	Kitchen Art
3/27/2017	Lighting Unlimited, LLC	6/3/2019	Mission Valley Pipe and Supply
8/7/2017	Wholesale Group, Inc.	7/15/2019	Action Supply Co.
9/18/2017	HM Wallace, Inc.	7/29/2019	Innovative Soil Solutions
1/22/2018	Duhig Stainless	9/9/2019	Process Instruments & Controls
5/14/2018	National Fire	11/11/2019	SW Anderson
7/2/2018	Wright Plumbing	3/13/2020	Columbia Pipe Supply
7/9/2018	Lighting Design Center	3/16/2020	Rencor Controls
7/16/2018	Appliance Distributors of Louisiana	3/25/2020	MFP Design
7/30/2018	Brock McVey	10/26/2020	Old Dominion Supply

Effective Date	Company	Effective Date	Company
7/31/2018	Safe Step Walk-In Tub Co	11/16/2020	Atlantic Construction Fabrics
8/13/2018	Jones Stephens	1/11/2021	Amerock Corporation
8/20/2018	Action Automation	1/11/2021	Clarksville Lighting and Appliance
8/27/2018	Millennium Lighting	6/21/2021	Kitchen Showcase
9/24/2018	Grand Junction Pipe & Supply	7/12/2021	Moore Industrial Supply, Co.
7/26/2021	Canyon Pipe & Supply	12/5/2022	Power Process Equipment Co
9/20/2021	Meyer Appliances, Kitchens and Baths	1/30/2023	Pipelines, INC
10/25/2021	Sunstate Meters and Supply, Inc	6/13/2023	S.G. Torrice
11/1/2021	Galkos Construction (Safe Step Walk In Tubs)	7/25/2023	Kennedy Companies
11/13/2021	Hot Water Products, Inc.	7/31/2023	Bruce Supply Corp
11/22/2021	RP Lighting & Fans (Royal Pacific)	10/16/2023	SecureVision of America
1/24/2022	Plumbers Supply Company of St Louis	1/8/2024	Harway Supply, LLC
2/7/2022	Uncle Sam Piping Solutions, Inc.	1/8/2024	Capital City Appliances LLC dba Harway Appliances
3/21/2022	AP Supply Company	1/8/2024	Texas State Appliances, LLC
4/4/2022	Lighting Plus	1/29/2024	Grove Supply, Inc.
4/25/2022	Founders Kitchen & Bath, Inc.	1/29/2024	Wolfe Family Partnership, Ltd
5/9/2022	Canadian Safe-Step Tubs, Inc.	1/29/2024	Wvhc Enterprises, LLC
5/23/2022	Aaron & Company, LLC	1/29/2024	PLCC Enterprises LLC
5/25/2022	STE LLC	3/4/2024	Yorkwest Plumbing Supply Inc.
6/27/2022	Triton Environmental, LLC		
7/18/2022	D2 Land & Water Resource, Inc		
7/25/2022	Minka Lighting LLC		
7/26/2022	Rybak Engineering, Inc		
8/29/2022	Monark Premium Appliance (Transform Midco LLC)		
11/7/2022	Guarino Distributing Co, LLC		
12/1/2022	Airefco, Inc		
4/15/2024	Safe Step Walk In Tub, LLC		
7/31/2010	Lincoln Products		
9/11/2000	Ferguson Fire & Fab, Inc		
5/16/2024	GAR Engineering		
5/20/2024	Southwest GeoSolutions, Inc.		



City of Pembroke Pines

**FIRST AMENDMENT TO AGREEMENT  
BETWEEN THE CITY OF PEMBROKE PINES AND  
FERGUSON ENTERPRISES, LLC**

**THIS AMENDMENT ("First Amendment"), dated July 6, 2023, is entered into by and between:**

**THE CITY OF PEMBROKE PINES, a municipal corporation organized and operating under the laws of the State of Florida, with an address of 601 City Center Way, Pembroke Pines, FL 33025, hereinafter referred to as "CITY",**

and

**FERGUSON ENTERPRISES, LLC, a Limited Liability Company, as listed with the Florida Division of Corporations, authorized to do business in the State of Florida, and with a business address of 12500 Jefferson Avenue, Newport News, VA 23602, hereinafter referred to as "CONTRACTOR". "CITY" and "CONTRACTOR" may hereinafter be referred to collectively as the "Parties" and individually as a "Party".**

**WHEREAS, on December 20, 2022, the Parties entered into the Agreement ("Original Agreement") to obtain utilities fitting and accessories on an as needed basis utilizing the terms and pricing offered in the Seminole County IFB-603727/LNF for an initial period, which will naturally expire on July 15, 2023; and,**

**WHEREAS, the Original Agreement authorized the renewal thereof at the expiration of the initial term for two (2) additional one (1) year terms pursuant to written amendments to the Original Agreement; and,**

**WHEREAS, the Parties desire to increase the total compensation from TWO HUNDRED FIFTY THOUSAND DOLLARS AND 00/100 CENTS (\$250,000.00) to THREE HUNDRED FIFTY THOUSAND DOLLARS AND 00/100 CENTS (\$350,000.00) as the CITY expects a significant increase in usage and orders made to CONTRACTOR on an as needed basis; and,**

**WHEREAS, the Parties desire to extend the term thereof for a one (1) year period which shall commence on July 16, 2023 and shall naturally expire on July 15, 2024 as set forth in this First Amendment.**

**WITNESSETH**

**NOW, THEREFORE, for and in consideration of the sum of the mutual covenants and other good and valuable consideration, the receipt of which are hereby acknowledged, the Parties hereto agree as set forth below:**

**SECTION 1. The recitations set forth in the above "WHEREAS" clauses are true and**



City of Pembroke Pines

correct and incorporated herein by this reference.

**SECTION 2.** Any language contained in this First Amendment, or any subsequent amendment, which is in ~~strikethrough~~ type shall be deletions from the terms of the Original Agreement and language in underlined type shall be additions to the terms of the Original Agreement.

**SECTION 3.** The Original Agreement is hereby renewed for a **one (1) year** renewal period which shall commence on **July 16, 2023** and shall naturally expire on **July 15, 2024**.

**SECTION 4.** Section 3 of the Original Agreement is hereby revised and amended as set forth below:

3. Compensation and Method of Payment. CONTRACTOR shall be entitled to invoice CITY based on CITY's purchase order(s) and in accordance with the unit pricing listed in **Exhibit "A"**, attached hereto and made a specific part hereof. All invoices shall include information such as, but not be limited to, date of delivery, quantity, description of product, price, and any other information reasonably required by CITY. The total compensation paid to CONTRACTOR pursuant to this Agreement ~~during the initial term~~ for the Commodities herein required shall not exceed ~~TWO HUNDRED FIFTY THOUSAND DOLLARS AND 00/100 CENTS (\$250,000.00)~~ **THREE HUNDRED FIFTY THOUSAND DOLLARS AND 00/100 CENTS (\$350,000.00)**.

**SECTION 5. Scrutinized Companies.** CONTRACTOR, its principals or owners, certify that they are not listed on the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or is engaged in business operations with Syria. In accordance with Section 287.135, Florida Statutes, as amended, a company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with any agency or local governmental entity for goods or services of:

5.1 Any amount if, at the time bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, Florida Statutes, or is engaged in a boycott of Israel; or

5.2 One million dollars or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company:

5.2.1 Is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes; or

5.2.2 Is engaged in business operations in Syria.

**SECTION 6. Employment Eligibility.** CONSULTANT certifies that it is aware of and complies with the requirements of Section 448.095, Florida Statutes, as may be amended from



City of Pembroke Pines

time to time and briefly described herein below.

**6.1 Definitions for this Section.**

6.1.1 "Contractor" means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration. "Contractor" includes, but is not limited to, a vendor or consultant.

6.1.2 "Contractor" includes, but is not limited to, a vendor or consultant.

6.1.3 "Subcontractor" means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.

6.1.4 "E-Verify system" means an Internet-based system operated by the United States Department of Homeland Security that allows participating employers to electronically verify the employment eligibility of newly hired employees.

**6.2 Registration Requirement; Termination.** Pursuant to Section 448.095, Florida Statutes, effective January 1, 2021, Contractors, shall register with and use the E-verify system in order to verify the work authorization status of all newly hired employees. Contractor shall register for and utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of:

6.2.1 All persons employed by a Contractor to perform employment duties within Florida during the term of the contract; and

6.2.2 All persons (including subvendors/subconsultants/subcontractors) assigned by Contractor to perform work pursuant to the contract with the City of Pembroke Pines. The Contractor acknowledges and agrees that registration and use of the U.S. Department of Homeland Security's E-Verify System during the term of the contract is a condition of the contract with the City of Pembroke Pines; and

6.2.3 The Contractor shall comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes, but is not limited to registration and utilization of the E-Verify System to verify the work authorization status of all newly hired employees. Contractor shall also require all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than twenty (20) calendar days after the date of termination. Termination of this Contract under this Section is not a breach of contract and may not be considered as such. If this contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of one (1) year after the date of termination.



*City of Pembroke Pines*

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**SECTION 7.** In the event of any conflict or ambiguity by and between the terms and provisions of this First Amendment, and the Original Agreement, the terms and provisions of this First Amendment shall control to the extent of any such conflict or ambiguity.

**SECTION 8.** The Parties agree that in all other respects the Original Agreement shall remain in full force and effect, except as specifically modified herein.

**SECTION 9.** Each exhibit referred to in the Original Agreement, except as repealed herein, forms an essential part of this First Amendment. The exhibits, if not physically attached, should be treated as part of this First Amendment and are incorporated herein by reference.

**SECTION 10.** Each person signing this First Amendment on behalf of either Party individually warrants that he or she has full legal power to execute this First Amendment on behalf of the Party for whom he or she is signing, and to bind and obligate such Party with respect to all provisions contained in this First Amendment.

**SECTION 11.** This First Amendment may be executed by hand or electronically in multiple originals or counterparts, each of which shall be deemed to be an original and together shall constitute one and the same agreement. Execution and delivery of this First Amendment by the Parties shall be legally binding, valid and effective upon delivery of the executed documents to the other Party through facsimile transmission, email, or other electronic delivery.

**SIGNATURE PAGE FOLLOWS**



City of Pembroke Pines

IN WITNESS OF THE FOREGOING, the Parties have set their hands and seals the day and year first written above.

CITY:

CITY OF PEMBROKE PINES, FLORIDA

ATTEST:

DocuSigned by:  
Marlene D. Graham July 6, 2023  
E858EEE04EEF4F3...  
MARLENE D. GRAHAM, CITY CLERK

BY: [Signature]  
MAYOR FRANK C. ORTIS

APPROVED AS TO FORM:  
[Signature]  
Print Name: Jacobs Hume  
OFFICE OF THE CITY ATTORNEY

DocuSigned by:  
BY: Charles F. Dodge July 6, 2023  
47B966ECFDAD4AC...  
CHARLES F. DODGE, CITY MANAGER

CONTRACTOR:

FERGUSON ENTERPRISES, LLC.

Signed By: [Signature]  
Name: Matt Gracie  
Title: Sales



**RESOURCE MANAGEMENT DEPARTMENT**  
**PURCHASING AND CONTRACTS DIVISION**



04/04/2023

Ferguson Enterprises  
1470 Bobby Lee Point  
Sanford, Florida 32771

**RE: IFB-603727-20/LNF Renewal #1 Term Contract For Inventory Parts for Environmental Services Water and Wastewater Division**

To Whom It May Concern:

Pursuant to Seminole County Purchasing Code Section 3.554(5)(a), this notice shall serve as authorization to renew the above agreement from **July 16, 2023 through July 15, 2024** as approved by the Seminole County Board of County Commissioners. Current pricing, terms and conditions shall remain the same.

Please remember to keep this office up to date with a current certificate of insurance *with the above contract number referenced on the certificate* as required in the original, contract agreement.

Appropriate County departments and divisions will be notified of this Contract renewal action.

Thank you for your interest in doing business with Seminole County. If you have any questions or need further assistance, please contact our office.

Sincerely,

*Rachel Horne*

Rachel Horne  
Procurement Analyst I

cc: Environmental Services - Water and Wastewater  
County Attorney's Office  
County Comptroller's Office  
File



# City of Pembroke Pines, FL

601 City Center Way  
Pembroke Pines, FL  
33025  
www.ppines.com

## Agenda Request Form

**Agenda Number: 21.**

**File ID:** 23-0053

**Type:** Agreements/Contracts

**Status:** Passed

**Version:** 1

**Agenda  
Section:**

**In Control:** City Commission

**File Created:** 01/23/2023

**Short Title:** Contracts Database Report - June 21, 2023

**Final Action:** 06/21/2023

**Title: MOTION TO APPROVE THE DEPARTMENT RECOMMENDATIONS FOR THE FOLLOWING ITEMS LISTED ON THE CONTRACTS DATABASE REPORT:**

- (A) Comcast of South Florida II, Inc. - Basic Cable and Broadcast TV for Pines Point and Pines Place - Renewal
- (B) Miller Legg & Associates, Inc. - Land Surveying Services - Renewal
- (C) Imagine Learning LLC - Student Online Services-Renewal
- (D) Lexipol LLC-Law Enforcement Wellness App-Renewal
- (E) Safeguard Services, Inc. - Janitorial Services for the Police Department - Renewal
- (F) Choices for Life, Inc.-Commercial Lease-Renewal
- (G) Miami Art Services-Art Installation at the Frank Gallery-Renewal
- (H) Bellsouth Telecommunications, LLC d/b/a AT&T Southeast - PRI Services - Renewal
- (I) Ferguson Enterprises, LLC-Utilities Fitting and Accessories-Renewal
- (J) Hawkins Water Treatment Group, Inc- Purchase of Hydrofluosilicic Acid-CO-OP Renewal

**ITEMS (K) AND (L) ARE NOT BEING RENEWED, THEREFORE, NO COMMISSION ACTION IS REQUIRED AS THEY ARE PRESENTED FOR NOTIFICATION PURPOSES ONLY PURSUANT TO SECTION 35.29 (F) OF THE CITY'S PROCUREMENT CODE:**

- (K) Keylite Power & Lighting Corp - Maintenance of Fire Station Alerting



**Agenda Request Form Continued (23-0053)**

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South Florida II, Inc., each for an initial five (5) year period, which expired on December 14, 2017.

2. The City of Pembroke Pines Community Services Department utilizes Comcast of South Florida II, Inc. to provide basic cable and broadcast TV services for the senior residential units at Pines Point and Pines Place.

3. Section 9 of each of the Original Agreements authorizes additional, automatic, two (2) year renewal terms.

4. On December 15, 2017, 2019, and 2021 the services were automatically renewed, each time for an additional two (2) year period, extending the terms of both Agreements to December 14, 2023.

5. The Community Services Department recommends that the City Commission approve the automatic continuation of these services for an additional two (2) year renewal term, commencing on December 15, 2023, and expiring on December 14, 2025, as allowed by the Agreements.

**FINANCIAL IMPACT DETAIL:**

**a) Renewal Cost:** \$653,821.00 (for Pines Point & Pines Place)

**b) Amount budgeted for this item in Account No:** Cables Fees: Pines Point Account # 001-554-8002-541225-0000-000-0000 and Pines Place Account # 001-554-8002-541225-0000-000-0000-00603

**c) Source of funding for difference, if not fully budgeted:** Not Applicable.

**d) 2-year projection of the operational cost of the project:**

**Pines Point:**

	FY 2023-24	FY 2024-25	FY 2025-26
Revenues	\$0.00	\$0.00	\$0.00
Expenditures	\$50,150.00	\$51,654.00	\$54,237.00
Net Cost	\$50,150.00	\$51,654.00	\$54,237.00

**Pines Place:**

	FY 2023-24	FY 2024-25	FY 2025-26
Revenues	\$0.00	\$0.00	\$0.00
Expenditures	\$157,900.00	\$165,795.00	\$174,085.00
Net Cost	\$157,900.00	\$165,795.00	\$174,085.00

**Total:**

	FY 2023-24	FY 2024-25	FY 2025-26
Revenues	\$0.00	\$0.00	\$0.00
Expenditures	\$208,050.00	\$217,449.00	\$228,322.00
Net Cost	\$208,050.00	\$217,449.00	\$228,322.00

**e) Detail of additional staff requirements:** Not Applicable

Agenda Request Form Continued (23-0053)

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**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

- a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable.
- b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable.

**(B) Miller Legg & Associates, Inc. - Land Surveying Services - Renewal**

1. On August 5, 2020, the City entered into an Agreement with Miller Legg & Associates, Inc. for an initial three (3) year period, which expires on August 4, 2023.
2. Miller Legg & Associates, Inc. provides the City with land surveying services.
3. Section 3.2 of the Original Agreement authorizes the renewal of the Original Agreement for two (2) additional one (1) year renewal terms upon mutual consent, evidenced by written Amendments extending the term thereof.
4. The City expects a significant increase in projects which will require the Consultant's services; therefore, the City is requesting an increase in compensation from \$40,000 to \$80,000.
5. The Engineering Department recommends that the City Commission approve this First Amendment to increase the annual compensation amount from \$40,000.00 to \$80,000.00 and to renew the term for an additional one (1) year period which shall commence on August 5, 2023, and naturally expire on August 4, 2024, as allowed by the agreement.

**FINANCIAL IMPACT DETAIL:**

- a) Renewal Cost:** \$80,000.00
- b) Amount budgeted for this item in Account No:** 001-519-6006-531100-0000-000-0000
- c) Source of funding for difference, if not fully budgeted:** Not Applicable
- d) 2 year projection of the operational cost of the project:**

	Current FY	Year 2
Revenues	\$ .00	\$ .00
Expenditures	\$13,333.33	\$66,666.67
Net Cost	\$13,333.33	\$66,666.67

- e) Detail of additional staff requirements:** Not Applicable

Agenda Request Form Continued (23-0053)

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**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

**a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable

**b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(C) Imagine Learning LLC - Student Online Services - Renewal**

1. On August 5, 2020, the City entered into the Original Agreement with Edgenuity, Inc. for a one (1) year period, which naturally expired on July 31, 2021.
2. Edgenuity, Inc. is an online content provider that specializes in providing K-12 digital educational resources and instructional services to the City's Charter Schools.
3. Section 8a of the Original Agreement authorizes the renewal of the Original Agreement for additional one (1) year renewal terms upon mutual consent, evidenced by a written Amendment.
4. On August 4, 2021, the City Commission approved the renewal of the Original Agreement, for a one (1) year period which naturally expired on July 31, 2022.
5. Edgenuity, Inc. has since been acquired and is now doing business as Imagine Learning LLC.
6. On June 15, 2022, the City Commission approved the renewal of the Original Agreement, as amended, for a one (1) year period which will naturally expire on July 31, 2023.
7. The City's Charter Schools is satisfied with the performance and execution of the Agreement, as amended, and recommends that the City Commission approve this Third renewal for a one (1) year renewal term which shall commence on August 1, 2023 and naturally expire on July 31, 2024, as allowed by the agreement.

**FINANCIAL IMPACT DETAIL:**

**a) Initial Cost:** \$62,900.00

**b) Amount budgeted for this item in Account No:** Funds will be budgeted for this expense within the Pembroke Pines Charter Schools 2023-2024 Proposed Charter School Budget within the following budgetary accounts:

<u>West Middle</u>	<u>Non-capital Software &amp; License</u>	<u>171-569-5052-552652-5102-369-0000-00553</u>	<u>\$18,700.00</u>
<u>West Middle</u>	<u>Professional &amp; Tech Services</u>	<u>171-569-5052-531310-6400-310-0000-00553</u>	<u>\$1,166.67</u>

**Agenda Request Form Continued (23-0053)**

<u>Central Middle</u>	<u>Non-capital Software &amp; License</u>	<u>171-569-5052-552652-5102-369-0000-00554</u>	<u>\$18,700.00</u>
<u>Central Middle</u>	<u>Professional &amp; Tech Services</u>	<u>171-569-5052-531310-6400-310-0000-00554</u>	<u>\$1,166.67</u>
<u>Academic Village</u>	<u>Non-capital Software &amp; License</u>	<u>172-569-5053-552652-5103-369-0000-</u>	<u>\$22,000.00</u>
<u>Academic Village</u>	<u>Professional &amp; Tech Services</u>	<u>172-569-5053-531310-6400-310-0000-</u>	<u>\$1,166.66</u>
	<b><u>Total</u></b>		<b><u>\$62,900.00</u></b>

c) **Source of funding for difference, if not fully budgeted:** Not applicable.

d) **1 year projection of the operational cost of the project:**

	FY 2023-24
Revenues	\$ .00
Expenditures	\$62,900.00
Net Cost	\$62,900.00

e) **Detail of additional staff requirements:** Not applicable.

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not applicable.

b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not applicable.

**(D) Lexipol LLC - Law Enforcement Wellness App - Renewal**

1. On June 15, 2022, the City commission approved to enter into a Master Service Agreement with Lexipol, LLC for an initial one (1) year period, which shall naturally expire on July 11, 2023.

2. Lexipol, LLC provides the City's Police Department with the Cordico Shield Law Enforcement Wellness App.

3. Section 2 of the Original Agreement authorizes the renewal of the Original Agreement for successive one (1) year renewal terms unless one party provides written notice of non-renewal to the other party at least thirty (30) days prior to expiration of the then-current term.

4. The Police Department recommends extending the term of the Original Agreement for a one (1) year period which shall commence on July 12, 2023 and shall naturally expire on July 11, 2024, as allowed by the agreement.

**FINANCIAL IMPACT DETAIL:**

**Agenda Request Form Continued (23-0053)**

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- a) **Renewal Cost:** \$35,000
- b) **Amount budgeted for this item in Account No:** Funds are available in account 122-521-3023-534995-0000-000-0000- Other Svc - IT
- c) **Source of funding for difference, if not fully budgeted:** Not Applicable
- d) **1 year projection of the operational cost of the project** Not Applicable

	Current FY
Revenues	\$.00
Expenditures	\$35,000.00
Net Cost	\$35,000.00

- e) **Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

- a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable
- b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(E) Safeguard Services, Inc. - Janitorial Services for the Police Department - Renewal**

1. On June 12, 2021, the City entered into an agreement with Safeguard Services, Inc. for an initial two (2) year period, which will expire on June 1, 2023.
2. The City contracts Safeguard Services, Inc. to provide janitorial services at various buildings for the Police Department.
3. Section 5.1 of the Original Agreement authorizes changes to the scope of work of the Original Agreement, evidenced by a written amendment, and on December 29, 2021, the Parties executed the First Amendment, to increase the scope of work to include services at the shoot house portion of the Police Training Facility, and to increase the compensation accordingly. The changes resulted in an increase in annual compensation from \$110,000 to \$112,256.88.
4. Section 3.2 of the Original Agreement authorizes renewal of the Original Agreement for an additional, two (2) year term upon mutual consent, evidenced by a written amendment.
5. On May 24, 2023, the Parties executed the Second Amendment, to extend the term for 29 days up to June 30, 2023, to allow time for the parties to agree on an applicable increase in the compensation.
6. Due to mandated increases in the Florida minimum wage and the increase in the Consumer



**Agenda Request Form Continued (23-0053)**

Price Index ("CPI"), as well as additional economic pressures, the contractor is requesting a nine percent (9%) increase in compensation. The Police Department and Contractor have agreed that the City will provide the Janitorial Supplies for the renewal term. These changes will result in a reduction of the total annual compensation from \$112,256.88 to \$104,911.80.

7. The Police Department recommends that the City Commission approve this Third Amendment authorizing the 9% increased compensation rate, with the City providing the janitorial supplies, for an additional, two (2) year renewal term commencing on July 1st, 2023, and expiring on June 30th, 2025, as allowed by the Agreement.

**FINANCIAL IMPACT DETAIL:**

- a) Renewal Cost:** \$209,823.60 (\$26,227.95 for the remainder of the fiscal year. (7/1/2023 - 9/30/2023))
- b) Amount budgeted for this item in Account No:** Funds are available in account # 001-521-3001-534950-0000-000-0000 (Other Service - Maintenance)
- c) Source of funding for difference, if not fully budgeted:** Not Applicable.
- d) 3-year projection of the operational cost of the project**

	Current FY	Year 2	Year 3
Revenues	\$ .00	\$ .00	\$ .00
Expenditures	\$26,227.95	\$104,911.80	\$78,683.85
Net Cost	\$26,227.95	\$104,911.80	\$78,683.85

- e) Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

- a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** No.
- b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?**

**(F) Choices for Life, Inc. - Commercial Lease - Renewal**

- On October 15, 2020, the City entered into a Commercial Lease Agreement with Choices for Life, Inc. for an initial one (1) year period, which naturally expired on November 1, 2021.
- Choices for Life, Inc. leases the premises located at 6700 NW 13 St., Pembroke Pines, FL 33025.
- Section 2.1 of the Original Agreement authorizes the renewal of the Original Agreement for

Agenda Request Form Continued (23-0053)

four (4) additional one (1) year terms upon mutual consent, evidenced by a written Amendment.

4. On August 4, 2021, the Parties executed the First Amendment to renew the term for an additional one (1) year period which expired on November 1, 2022.

5. On April 14, 2022, the Parties executed the Second Amendment to renew the term for an additional one (1) year period which expires on November 1, 2023.

6. The Public Services Department recommends the City Commission to approve this Third Amendment to renew the term for an additional one (1) year period which shall commence on November 2, 2023 and naturally expire on November 1, 2024.

**FINANCIAL IMPACT DETAIL:**

a) **Renewal Revenue:** \$56,896.08

b) **Amount budgeted for this item in Account No:** Funds are currently budgeted for this project in account #001-000-6001-362030-0000-000-0000-Rental city facilities

c) **Source of funding for difference, if not fully budgeted:** Not Applicable.

d) **2 year projection of the operational cost of the project:**

	FY 2023-24	FY 2024-25
Revenues	\$52,154.74	\$4,741.34
Expenditures	\$0.00	\$0.00
Net Revenue	\$52,154.74	\$4,741.34

e) **Detail of additional staff requirements:** Not Applicable.

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable.

b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable.

**(G) Miami Art Services - Art Installation at the Frank Gallery - Renewal**

1. On August 21, 2019, the City commission approved the Agreement between the City and Miami Art Services, Inc. for an initial two (2) year period, naturally expiring September 30, 2021.

2. Miami Art Services, Inc. provides professional art installation services at the Frank art gallery.

3. Section 3.2 of the Original Agreement authorizes the renewal of the Original Agreement for

**Agenda Request Form Continued (23-0053)**

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two (2) additional two (2) year renewal terms upon mutual consent, evidenced by a written Amendment.

4. The Department is satisfied with the performance and execution of the Original Agreement and recommends that the City Commission approve this First Amendment for the first two (2) year renewal term commencing October 1, 2021 and ending September 30, 2023, as allowed by the agreement.

**FINANCIAL IMPACT DETAIL:**

- a) **Renewal Cost:** \$52,000 over a two-year period
- b) **Amount budgeted for this item in Account No:**  
001-573-7010-534990-0000-000-0000-00350
- c) **Source of funding for difference, if not fully budgeted:** Not Applicable
- d) **2 year projection of the operational cost of the project**

	Current FY	Year 2
Revenues	\$0	\$0
Expenditures	\$26,000	\$26,000
Net Cost	\$26,000	\$26,000

- e) **Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

- a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable
- b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(H) Bellsouth Telecommunications, LLC d/b/a AT&T Southeast - PRI Services - Renewal**

1. On July 29th, 2021, the City entered into an Agreement with Bellsouth Telecommunications, LLC d/b/a AT&T Southeast for a twelve (12) month period, which expired on July 31st, 2022.
2. Bellsouth Telecommunications, LLC d/b/a AT&T Southeast provides primary rate interface ("PRI") services (end to end digital telecommunications for voice lines) for the City facilities and Charter School campuses.
3. The 2021 Agreement formalized the services which had been provided since 2014 and

**Agenda Request Form Continued (23-0053)**

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authorizes the renewal of existing circuits for successive twelve-month terms.

4. On August 23rd, 2022, the parties executed a Renewal Agreement to extend the term for an additional, one (1) year period which will expire on July 31st, 2023.

5. The Technology Services Department recommends that the City Commission approve this Renewal Agreement for an additional twelve (12) month renewal term commencing on August 1st, 2023 and expiring on July 31st, 2024, as allowed by the Agreement.

**FINANCIAL IMPACT DETAIL:**

**a) Renewal Cost:** \$44,824.80

**b) Amount budgeted for this item in Account No:**

Monthly invoices for PRI services are spread across multiple City departments as well as all Charter School campuses using the following account codes -

City Departments: billed against 541100 (Telephone)

Charter Schools: billed against 541370 (Communications)

**c) Source of funding for difference, if not fully budgeted:** Not Applicable

**d) 2-year projection of the operational cost of the project**

This agreement is for a one-year period commencing August 1, 2023. Therefore, projected operational costs will follow the City's and Charter School fiscal calendars. August 1, 2023 to September 30, 2024 for City department budgets and August 1, 2023 to June 30, 2024 for Charter School's budget.

541370 (Communications):

	Current School FY	FY 2023-24
Revenues	\$0.00	\$0.00
Expenditures	\$0.00	\$7,500.00
Net Cost	\$0.00	\$7,500.00

541100 (Telephone):

	Current City FY	FY 2023-24
Revenues	\$0.00	\$0.00
Expenditures	\$6,220.80	\$31,104.00
Net Cost	\$6,220.80	\$31,104.00

**e) Detail of additional staff requirements:** Not Applicable

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

**a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor**

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**Conducted for this service?** Not Applicable

**b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable

**(I) Ferguson Enterprises, LLC - Utilities Fitting and Accessories - Renewal**

1. On December 14, 2022, the City entered into an Agreement with Ferguson Enterprises, LLC., utilizing the terms and pricing offered in Seminole County IFB-603727/LNF which shall expire on July 15, 2023.
2. Ferguson Enterprises, LLC provides utilities fitting and accessories on an as needed basis for purchase of inventory parts for its Environmental Services Water and Wastewater Division.
3. Section 4.1 of the Original Agreement authorizes the renewal of the Original Agreement for two (2) additional one (1) year renewal terms upon mutual consent, evidenced by a written Amendment.
4. The Utilities Department recommends that the City Commission approve this First Amendment for the first one (1) year renewal term which shall commence on July 16, 2023 and shall naturally expire on July 15, 2024, as allowed by the agreement.

**FINANCIAL IMPACT DETAIL:**

**a) Renewal Cost:** \$350,000.00

**b) Amount budgeted for this item in Account No:**

471-535-6021-546150-0000-000-0000- & 471-533-6032-546150-0000-000-0000-

**c) Source of funding for difference, if not fully budgeted:** Not Applicable.

**d) 2 year projection of the operational cost of the project:**

	Current FY	Year 2
Revenues	\$0.00	\$0.00
Expenditures	\$87,500.00	\$262,500.00
Net Cost	\$87,500.00	\$262,500.00

**e) Detail of additional staff requirements:** Not Applicable.

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

**a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable.

**b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House**

Agenda Request Form Continued (23-0053)**Labor for this service?****(J) Hawkins Water Treatment Group, Inc - Purchase of Hydrofluosilicic Acid - CO - OP Renewal**

1. On September 18, 2019, the City Commission approved the purchase of Hydrofluosilicic Acid on as needed basis from Hawkins Water Treatment Group, Inc. utilizing the Southeast Florida Governmental Cooperative Purchasing Group (CO-OP) Bid #19-C-020-F for an initial period which expired on August 18, 2021.
2. Hawkins Water Treatment Group, Inc. provides Hydrofluosilicic Acid to the City's Water Treatment Plant and the City's Wastewater Treatment Plant.
3. The Term of the CO-OP Agreement allows for two (2) additional (2) year renewal terms.
4. On August 18, 2021, the City Commission approved to continue utilizing the CO-OP Agreement for the purchase of Hydrofluosilicic Acid on as needed basis for an additional 2 year term which will expire on August 18, 2023.
5. The CO-OP has extended Term of their agreement with Hawkins Water Treatment Group, Inc. for an additional 2 year terms which will expire on August 18, 2025.
6. The Utilities Department recommends that the City Commission approve the continuation of purchasing of Hydrofluosilicic Acid on as needed basis for an additional two (2) year term which shall expire on August 18, 2025 utilizing the CO-OP Agreement.

**FINANCIAL IMPACT DETAIL:**

a) **Renewal Cost:** \$104,400.00 (12,000 gallons annual estimated usage x \$4.35/gallon)

b) **Amount budgeted for this item in Account No:**

471-533-6031-552430-0000-000-0000- (Operating chemicals)

c) **Source of funding for difference, if not fully budgeted:** Not Applicable.

d) **3 year projection of the operational cost of the project:**

	Current FY	FY 2024	FY 2025
Revenues	\$0.00	\$0.00	\$0.00
Expenditures	\$8,700.00	\$52,200.00	\$43,500.00
Net Cost	\$8,700.00	\$52,200.00	\$43,500.00

e) **Detail of additional staff requirements:** Not Applicable.

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

**a) Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor**

**Conducted for this service?** Not Applicable.

**b) If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?**

**(K) Keylite Power & Lighting Corp - Maintenance of Fire Station Alerting Systems - Non-Renewal**

1. On May 1, 2018, the City entered into a Service Agreement with Keylite Power & Lighting Corp. for an initial one (1) year period, which naturally expired on April 30, 2019.
2. Keylite Power and Lighting Corp. is the sole source supplier and service company for the G2 Fire Station Alerting system that was installed in all of City's Fire Stations in 2019. Keylite Power and Lighting Corp. provides the Fire Department with twenty-four hour service to the alerting systems for emergency call outs and repairs.
3. Section 10 of the Original Agreement authorizes the renewal of the Original Agreement for four (4) additional one (1) year periods upon mutual consent, evidenced by a written Amendment.
4. On May 1, 2019, the Parties executed the First Amendment to the Original Agreement to extend the term thereof for one (1) year, which naturally expired on April 30, 2020.
5. On February 5, 2020, the Parties executed the Second Amendment to the Original Agreement, as amended, to align the term with the City's fiscal year, extending the renewal period to September 30, 2021.
6. On June 16, 2021, the Parties executed the Third Amendment to the Original Agreement, as amended, to extend the term thereof which naturally expired on September 30, 2022.
7. On August 8, 2022, the Parties executed the Fourth Amendment to the Original Agreement, as amended, to increase the total annual amount from \$41,086.36 to \$42,654.68, and to extend the term thereof for a one (1) year period which will naturally expire on September 30, 2023.
8. There are no further renewals and the Department will start a new Procurement process for the services.

**(L) Allied Universal Corp. - Sodium Hypochlorite CO-OP Agreement - Non-renewal**

1. On October 6, 2021, the City Commission approved the purchase of sodium hypochlorite 12.5% from Allied Universal Corp. for an initial period, which expires on August 31, 2023.
2. Allied Universal Corp. provides the City's Water Treatment Plant and the Wastewater Treatment Plant with sodium hypochlorite 12.5% on an as needed basis.
3. The Original Agreement authorizes the renewal of the Original Agreement for two (2)

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additional one (1) year renewal terms.

4. The Utilities Department has confirmed that the City of Fort Lauderdale, as the lead agency, has not renewed the CO-OP agreement with Allied Universal Corp, and that a new procurement process has been started to secure this service.





City of Pembroke Pines

**AGREEMENT BETWEEN  
THE CITY OF PEMBROKE PINES AND  
FERGUSON ENTERPRISES, LLC**

THIS AGREEMENT ("Agreement"), dated December 20, 2022, is entered into by and between the **City of Pembroke Pines**, a Florida municipal corporation with a business address of 601 City Center Way, Pembroke Pines, Florida 33025 (hereinafter referred to as "CITY"), and **Ferguson Enterprises, LLC**, a Limited Liability Company, with a business address of **12500 Jefferson Avenue, Newport News, VA 23602** ("CONTRACTOR"). CITY and CONTRACTOR shall be collectively referred to herein as "Parties" and individually as "Party".

**WHEREAS**, the CITY desires to obtain utilities fitting and accessories for CITY's Utilities Department; and

**WHEREAS**, on July 16, 2020, Seminole County entered into Term Contract for the Purchase of Inventory Parts for its Environmental Services Water and Wastewater Division, pursuant to Invitation for Bids (IFB) 603727-20/LNF, for the provision of inventory parts for a three (3) year term, which naturally expires on July 15, 2023 and may be renewed by the parties for two (2) additional one (1) year terms; and,

**WHEREAS**, pursuant to CITY Code of Ordinances §35.18(C)(5), entitled "Utilization of Other Governmental Agencies' Contracts", CITY has evaluated the Seminole County IFB-603727/LNF and Term Contract for Purchase of Inventory Parts for its Environmental Services Water and Wastewater Division, and determined such terms and pricing may be utilized by CITY to obtain utilities fittings and accessories; and,

**WHEREAS**, pursuant to CITY Code of Ordinances §35.18(C)(5), the CITY desires to engage CONTRACTOR to provide utilities fittings and accessories on an as-needed basis utilizing the terms and pricing offered in Seminole County IFB-603727/LNF and Term Contract for Purchase of Inventory Parts for its Environmental Services Water and Wastewater Division; and,

**WHEREAS**, CONTRACTOR agrees to extend the same terms and pricing to CITY as set forth in the Term Contract for Purchase of Inventory Parts for its Environmental Services Water and Wastewater Division, pursuant to the terms set forth herein; and,

**WHEREAS**, the Parties wish to incorporate and supplement the terms and conditions set forth in Seminole County IFB-603727/LNF and Term Contract for Purchase of Inventory Parts for its Environmental Services Water and Wastewater Division, with the terms and requirements set forth herein; and,

**WHEREAS**, at its meeting of December 14, 2022 the CITY Commission approved this Agreement and authorized the proper CITY officials to execute this Agreement.



City of Pembroke Pines

**NOW, THEREFORE**, in consideration of the mutual terms and conditions, promises, covenants and payments hereinafter set forth, the Parties agree as follows:

1. The foregoing recitals are true and correct and are incorporated herein as if set forth in full.
2. **Scope of Services.** CITY agrees to purchase, and CONTRACTOR agrees to provide utilities fittings and accessories (herein referred to as "Commodities"), in accordance with the terms and price units more particularly described in the Seminole County IFB-603727/LNF and Term Contract for Purchase of Inventory Parts for its Environmental Services Water and Wastewater Division, attached hereto as **Exhibit "A"** and by this reference made a part hereof.
  - 2.1 From time to time, as needed, the CITY may submit purchase order(s) to the CONTRACTOR for a specified amount of Commodities. CONTRACTOR shall then provide the specified amount of Commodities in accordance with the purchase order and submit an invoice to CITY for such Commodities.
  - 2.2 The Parties acknowledge that this Agreement is a term contract, and that CONTRACTOR shall provide the Commodities on an as-needed basis upon the written request of the CITY. Nothing contained herein nor in any exhibit or amendment hereto, shall require the CITY to purchase any set quantity of Commodities or services.
  - 2.3 CONTRACTOR acknowledges that it has the capacity, ability and inventory to provide the Commodities herein required to the CITY on an as-needed basis and in accordance with the terms set forth herein.
3. **Compensation and Method of Payment.** CONTRACTOR shall be entitled to invoice CITY based on CITY's purchase order(s) and in accordance with the unit pricing listed in **Exhibit "A"**, attached hereto and made a specific part hereof. All invoices shall include information such as, but not be limited to, date of delivery, quantity, description of product, price, and any other information reasonably required by CITY. The total compensation paid to CONTRACTOR pursuant to this Agreement during the initial term for the Commodities herein required shall not exceed **TWO HUNDRED FIFTY THOUSAND DOLLARS AND 00/100 CENTS (\$250,000.00)**.
4. **Term and Termination.**
  - 4.1 **Term.** CONTRACTOR shall provide the Commodities required herein and in accordance with the terms of this Agreement, on an as-needed basis, for a period commencing on the effective date of Agreement and terminating on **July 15, 2023**. Should Seminole County authorize two (2) additional one (1) year renewal terms as permitted by Exhibit "A", the CITY and CONTRACTOR may renew the terms of this Agreement pursuant to a written amendment hereto.
  - 4.2 **Termination for Convenience.** This Agreement may be terminated by CITY for convenience, upon providing fourteen (14) days written notice to CONTRACTOR, in



City of Pembroke Pines

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which event CONTRACTOR shall be paid its compensation for services performed to termination date, including services reasonably related to termination.

- 4.3 **Termination for Cause; Default.** In addition to all other remedies available to CITY, this Agreement shall be subject to termination by CITY for cause, should CONTRACTOR neglect or fail to perform or observe any of the terms, provisions, conditions, or requirements herein contained, if such neglect or failure shall continue for a period of thirty (30) days after receipt by CONTRACTOR of written notice of such neglect or failure. In the event that CONTRACTOR abandons this Agreement, CONTRACTOR shall indemnify CITY against loss pertaining to such abandonment. CITY reserves the right to recover any ascertainable actual damages incurred as a result of the failure of CONTRACTOR to perform in accordance with the requirements of this Agreement.

## 5. **Insurance.**

- 5.1 CONTRACTOR shall indemnify and hold harmless the CITY, its trustees, elected and appointed officers, agents, assigns, employees, consultants, separate contractors, any of their subcontractors, sub-subcontractors, agents and employees from and against claims, demands, or causes of action whatsoever, and the resulting losses, damages, costs and expenses, including but not limited to attorneys' fees, including paralegal expenses, liabilities, damages, orders, judgments, or decrees, sustained by the CITY arising out of or resulting from the failure of the CONTRACTOR to take out and maintain insurance as required under this Agreement.
- 5.2 CONTRACTOR shall not commence work under this Agreement until it has obtained all insurance required under this paragraph and such insurance has been approved by the Risk Manager of the CITY nor shall the CONTRACTOR allow any subcontractor to commence work on any subcontract until all similar such insurance required of the subcontractor has been obtained and similarly approved.
- 5.3 Certificates of Insurance, reflecting evidence of the required insurance, shall be filed with the CITY's Risk Manager prior to the commencement of this Agreement. Policies shall be issued by companies authorized to do business under the laws of the State of Florida. The insurance company shall be rated no less than "A" as to management, and no less than "Class VI" as to financial strength according to the latest edition of Best's Insurance Guide published by A.M. Best Company.
- 5.4 Certificates of Insurance shall provide for thirty (30) days' prior written notice to the CITY in case of cancellation in the policy limits or coverage states. If the carrier cannot provide thirty (30) days' notice of cancellation, either the CONTRACTOR or their insurance broker must agree to provide notice.
- 5.5 Insurance shall be in force until all obligations required to be fulfilled under the terms of the Agreement are satisfactorily completed as evidenced by the formal acceptance by the CITY. In the event the insurance certificate provided indicates that the insurance shall terminate and lapse during the period of this Agreement, the CONTRACTOR shall furnish, at least thirty



City of Pembroke Pines

(30) days prior to the expiration of the date of such insurance, a renewed certificate of insurance as proof that equal and like coverage for the balance of the period of the Agreement and extension thereunder is in effect. The CONTRACTOR shall neither commence nor continue to provide any services pursuant to this Agreement unless all required insurance remains in full force and effect. CONTRACTOR shall be liable to CITY for any lapses in service resulting from a gap in insurance coverage.

5.6 **Required Insurance.** CONTRACTOR shall be required to obtain all applicable insurance coverage, as indicated below, prior to commencing any work pursuant to this Agreement:

Yes No

✓  5.6.1 Comprehensive General Liability Insurance written on an occurrence basis including, but not limited to: coverage for bodily injury and property damage, personal & advertising injury, products & completed operations, and contractual liability. Coverage must be written on an occurrence basis, with limits of liability no less than:

1. Each Occurrence Limit - \$1,000,000
2. Personal & Advertising Injury Limit - \$1,000,000
3. General Aggregate Limit - \$2,000,000
4. Products & Completed Operations Aggregate Limit - \$2,000,000

Products & Completed Operations Coverage shall be maintained for the later of ten (10) years after the delivery of goods/services or final payment under the Agreement. **The City of Pembroke Pines must be shown as an additional insured with respect to this coverage. The CITY's additional insured status shall extend to any coverage beyond the minimum limits of liability found herein.**

Yes No

✓  5.6.2 Workers' Compensation and Employers' Liability Insurance covering all employees, and/or volunteers of the CONTRACTOR engaged in the performance of the scope of work associated with this Agreement. In the case any work is sublet, the CONTRACTOR shall require the subcontractors similarly to provide Workers' Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the CONTRACTOR. Coverage for the CONTRACTOR and all subcontractors shall be in accordance with applicable state and/or federal laws that may apply to Workers' Compensation Insurance with limits of liability no less than:

1. Workers' Compensation: Coverage A — Statutory
2. Employers Liability: Coverage B \$500,000 Each Accident
  - \$500,000 Disease — Policy Limit
  - \$500,000 Disease — Each Employee

If CONTRACTOR claims to be exempt from this requirement, CONTRACTOR shall provide CITY proof of such exemption along with a written request for CITY to exempt CONTRACTOR, written on CONTRACTOR letterhead.



City of Pembroke Pines

Yes No

- ✓  5.6.3 Comprehensive Auto Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the performance of work under this Agreement, with a combined single limit of liability for bodily injury and property damage no less than:

1. Any Auto (Symbol 1)  
Combined Single Limit (Each Accident) - \$1,000,000
2. Hired Autos (Symbol 8)  
Combined Single Limit (Each Accident) - \$1,000,000
3. Non-Owned Autos (Symbol 9)  
Combined Single Limit (Each Accident) - \$1,000,000

#### 5.7 REQUIRED ENDORSEMENTS.

- 5.7.1 The City of Pembroke Pines shall be named as an Additional Insured on each of the Liability Policies required herein.
- 5.7.2 Waiver of all Rights of Subrogation against the CITY.
- 5.7.3 Thirty (30) Day Notice of Cancellation or Non-Renewal to the CITY.
- 5.7.4 CONTRACTOR's policies shall be Primary & Non-Contributory.
- 5.7.5 All policies shall contain a "severability of interest" or "cross liability" clause without obligation for premium payment of the CITY.

5.8 Any and all insurance required of the CONTRACTOR pursuant to this Agreement must also be required by any subcontractor in the same limits and with all requirements as provided herein, including naming the CITY as an additional insured, in any work that is subcontracted unless such subcontractor is covered by the protection afforded by the CONTRACTOR and provided proof of such coverage is provided to CITY. The CONTRACTOR and any subcontractors shall maintain such policies during the term of this Agreement.

5.9 The insurance requirements specified in this Agreement are minimum requirements and in no way reduce any liability the CONTRACTOR has assumed herein.

6. **Indemnification.** The CONTRACTOR shall indemnify and hold harmless the CITY and its officers, employees, agents and instrumentalities from liability, losses or damages, including attorneys' fees and costs of defense, which the CITY or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature to the extent caused in whole or in part by the negligence, recklessness, or intentional wrongful conduct of the CONTRACTOR. The CONTRACTOR shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the CITY, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorneys' fees which may issue thereon.

6.1 Upon completion of all services, obligations and duties provided for in this Agreement, or in the event of termination of this Agreement for any reason, the terms and conditions of this Article shall survive indefinitely.



City of Pembroke Pines

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6.2 CITY reserves the right to select its own legal counsel to conduct any defense in any such proceeding and all costs and fees associated therewith shall be the responsibility of CONTRACTOR.

- 7. Agreement Subject to Funding.** This Agreement shall remain in full force and effect only as long as the expenditures provided for in the Agreement have been appropriated by the City Commission of the City of Pembroke Pines in the annual budget for each fiscal year of this Agreement, and is subject to termination based on lack of funding.
- 8. Governing Law and Venue.** This Agreement shall be governed by and construed in accordance with the laws of the State of Florida as now and hereafter in force. The venue for any and all actions or claims arising out of or related to this Agreement shall be in Broward County, Florida.
- 9. Sovereign Immunity.** Nothing contained herein is intended nor shall be construed to waive CITY's rights and immunities under the common law or §768.28, Florida Statutes, as may be amended from time to time.
- 10. Independent Contractor.** This Agreement does not create an employee/employer relationship between the Parties. It is the intent of the Parties that the CONTRACTOR is an independent contractor under this Agreement and not the CITY's employee for all purposes, including but not limited to, the application of the Fair Labor Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the provisions of the Internal Revenue Code, the State Workers' Compensation Act, and the State unemployment insurance law. The CONTRACTOR shall retain sole and absolute discretion in the judgment of the manner and means of carrying out CONTRACTOR's activities and responsibilities hereunder provided, further that administrative procedures applicable to services rendered under this Agreement shall be those of CONTRACTOR, which policies of CONTRACTOR shall not conflict with CITY, State, or Federal policies, rules or regulations relating to the use of CONTRACTOR's funds provided for herein. The CONTRACTOR agrees that it is a separate and independent enterprise from the CITY, that it has full opportunity to find other business, that it has made its own investment in its business, and that it will utilize a high level of skill necessary to perform the work. This Agreement shall not be construed as creating any joint employment relationship between the CONTRACTOR and the CITY and the CITY will not be liable for any obligation incurred by CONTRACTOR, including but not limited to unpaid minimum wages and/or overtime premiums.
- 11. Non-Discrimination & Equal Opportunity Employment.** During the performance of the Agreement, neither CONTRACTOR nor any subcontractors shall discriminate against any employee or applicant for employment because of race, religion, color, gender, national origin, sex, age, marital status, political affiliation, familial status, sexual orientation, or disability if qualified. CONTRACTOR will take affirmative action to ensure that employees are treated during employment, without regard to their race, religion, color, gender, national origin, sex,



age, marital status, political affiliation, familial status, sexual orientation, or disability if qualified. Such actions must include, but not be limited to, the following: employment, promotion, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. CONTRACTOR shall agree to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause. CONTRACTOR further agrees that CONTRACTOR will ensure that subcontractors, if any, will be made aware of and will comply with this nondiscrimination clause.

**12. Uncontrollable Forces.** Neither CITY nor CONTRACTOR shall be considered to be in default of this Agreement if delays in or failure of performance shall be due to Uncontrollable Forces, the effect of which, by the exercise of reasonable diligence, the non-performing party could not avoid. The term "Uncontrollable Forces" shall mean any event which results in the prevention or delay of performance by a party of its obligations under this Agreement and which is beyond the reasonable control of the nonperforming party. It includes, but is not limited to fire, flood, earthquakes, storms, lightning, epidemic, pandemic, acts of God, war, riot, civil disturbance, sabotage, and governmental actions. Neither party shall, however, be excused from performance if nonperformance is due to forces, which are preventable, removable, or remediable, and which the nonperforming party could have, with the exercise of reasonable diligence, prevented, removed, or remedied with reasonable dispatch. The nonperforming party shall, within a reasonable time of being prevented or delayed from performance by an uncontrollable force, give written notice to the other party describing the circumstances and uncontrollable forces preventing continued performance of the obligations of this Agreement.

**13. Binding Authority.** Each person signing this Agreement on behalf of either party individually warrants that he or she has full legal power to execute this Agreement on behalf of the party for whom he or she is signing, and to bind and obligate such party with respect to all provisions contained in this Agreement.

**14. Assignments; Amendments.** This Agreement, and any interests herein, shall not be assigned, transferred or otherwise encumbered, under any circumstances, by CONTRACTOR without the prior written consent of CITY. For purposes of this Agreement, any change of ownership of CONTRACTOR shall constitute an assignment which requires CITY approval. It is further agreed that no modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed by the Parties hereto.

**15. Public Records.** The City of Pembroke Pines is a public agency subject to Chapter 119, Florida Statutes. CONTRACTOR shall comply with Florida's Public Records Law. Specifically, CONTRACTOR shall:

15.1 Keep and maintain public records required by the CITY to perform the service;



City of Pembroke Pines

15.2 Upon request from the CITY's custodian of public records, provide the CITY with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law;

15.3 Ensure that public records that are exempt or that are confidential and exempt from public record disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement term and, following completion of the Agreement, CONTRACTOR shall destroy all copies of such confidential and exempt records remaining in its possession after CONTRACTOR transfers the records in its possession to the CITY; and

15.4 Upon completion of the Agreement, CONTRACTOR shall transfer to the CITY, at no cost to the CITY, all public records in CONTRACTOR' s possession. All records stored electronically by CONTRACTOR must be provided to the CITY, upon request from the CITY's custodian of public records, in a format that is compatible with the information technology systems of the CITY.

15.5 The failure of CONTRACTOR to comply with the provisions set forth in this Article shall constitute a default and breach of this Agreement, for which, the CITY may terminate the Agreement in accordance with the terms herein.

**IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK  
601 CITY CENTER WAY, 4th FLOOR  
PEMBROKE PINES, FL 33025  
(954) 450-1050  
[mgraham@ppines.com](mailto:mgraham@ppines.com)**

16. **Notice.** Whenever any party desires to give notice unto any other party, it must be given by written notice, sent by certified United States mail, with return receipt requested, addressed to the party for whom it is intended and the remaining party, at the places last specified, and the places for giving of notice shall remain such until they shall have been changed by written notice in compliance with the provisions of this section. For the present, CITY designates the following as the respective places for giving of notice:

CITY: Charles F. Dodge, City Manager  
City of Pembroke Pines  
601 City Center Way, 4th Floor  
Pembroke Pines, Florida 33025  
Telephone No. (954) 450-1040

Copy To: Samuel S. Goren, City Attorney





City of Pembroke Pines

Goren, Cherof, Doody & Ezrol, P.A.  
3099 East Commercial Boulevard, Suite 200  
Fort Lauderdale, Florida 33308  
Telephone No. (954) 771-4500  
Facsimile No. (954) 771-4923

CONTRACTOR: Matthew Gracie  
Ferguson Enterprises, LLC  
12500 Jefferson Avenue,  
Newport News, VA 23602  
Telephone No. (954) 256-4281

**17. Attorneys' Fees.** In the event that either party brings suit for enforcement of this Agreement, each party shall bear its own attorney's fees and court costs, except as otherwise provided under the indemnification provisions set forth herein above.

**18. Counterparts and Execution.** This Agreement may be executed by hand or electronically in multiple originals or counterparts, each of which shall be deemed to be an original and together shall constitute one and the same agreement. Execution and delivery of this Agreement by the Parties shall be legally binding, valid and effective upon delivery of the executed documents to the other party through facsimile transmission, email, or other electronic delivery.

**19. Scrutinized Companies.** CONTRACTOR, its principals or owners, certify that they are not listed on the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or are engaged in business operations with Syria. In accordance with Section 287.135, Florida Statutes, as amended, a company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with any agency or local governmental entity for goods or services of:

19.1 Any amount if, at the time bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, Florida Statutes, or is engaged in a boycott of Israel; or

19.2 One million dollars or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company:

19.2.1 Is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes; or

19.2.2 Is engaged in business operations in Syria.

**20. Employment Eligibility.** CONTRACTOR certifies that it is aware of and complies with the requirements of Section 448.095, Florida Statutes, as may be amended from time to time and briefly described herein below.

**20.1 Definitions for this Section.**

- 20.1.1 "Contractor" means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration. "Contractor" includes, but is not limited to, a vendor or consultant.
- 20.1.2 "Subcontractor" includes, but is not limited to, a vendor or consultant.
- 20.1.3 "Subcontractor" means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.
- 20.1.4 "E-Verify system" means an Internet-based system operated by the United States Department of Homeland Security that allows participating employers to electronically verify the employment eligibility of newly hired employees.

**20.2 Registration Requirement; Termination.** Pursuant to Section 448.095, Florida Statutes, effective January 1, 2021, Contractors, shall register with and use the E-verify system in order to verify the work authorization status of all newly hired employees. Contractor shall register for and utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of:

- 20.2.1 All persons employed by a Contractor to perform employment duties within Florida during the term of the contract; and
- 20.2.2 All persons (including subvendors/subconsultants/subcontractors) assigned by Contractor to perform work pursuant to the contract with the City of Pembroke Pines. The Contractor acknowledges and agrees that registration and use of the U.S. Department of Homeland Security's E-Verify System during the term of the contract is a condition of the contract with the City of Pembroke Pines; and
- 20.2.3 The Contractor shall comply with the provisions of Section 448.095, Florida Statutes., "Employment Eligibility," as amended from time to time. This includes, but is not limited to registration and utilization of the E-Verify System to verify the work authorization status of all newly hired employees. Contractor shall also require all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract. Failure to comply will lead to termination of this Agreement, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than twenty (20) calendar days after the date of termination. Termination of this Agreement under this Section is not a breach of contract and may not be considered as such. If this contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of one (1) year after the date of termination.



City of Pembroke Pines

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- 21. Records and Audit.** CITY may, upon prior written notice and at a mutually agreed upon date for a period of up to five (5) years following the date of final performance of services by CONTRACTOR under this Agreement, review those books and records of CONTRACTOR which are related to CONTRACTOR's performance under this Agreement. CONTRACTOR agrees to maintain all such books and records at its relevant branch location for a period of five (5) years after final payment is made under this Agreement, or as otherwise required by applicable law.
- 22. Severability.** If any provision of this Agreement or application thereof to any person or situation shall to any extent, be held invalid or unenforceable, the remainder of this Agreement, and the application of such provisions to persons or situations other than those as to which it shall have been held invalid or unenforceable, shall not be affected thereby, and shall continue in full force and effect, and be enforced to the fullest extent permitted by law.
- 23. Waiver.** Failure of CITY to insist upon strict performance of any provision or condition of this Agreement, or to execute any right therein contained, shall not be construed as a waiver or relinquishment for the future of any such provision, condition, or right, but the same shall remain in full force and effect.
- 24. Compliance with Laws.** It shall be the CONTRACTOR's responsibility to be aware of and comply with all statutes, ordinances, rules, orders, regulations and requirements of all local, City, state, and federal agencies as applicable.
- 25. Entire Agreement.** These terms, together with Exhibit "A", incorporated herein by reference, set forth the entire understanding of the Parties and supersedes all prior agreements, whether written or oral, with request to such subject matter. All references to Seminole County" or "County" in Exhibit "A" shall be construed as a reference to CITY, and all terms and conditions shall be deemed as having been available for use by the City of Pembroke Pines.
- 26. Conflict of Terms.** In the event of any conflict or ambiguity by and between the terms set forth in Exhibit "A" with the terms set forth herein, the terms of this Agreement shall prevail, followed by Exhibit "A".

**SIGNATURE PAGE FOLLOWS**



City of Pembroke Pines

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written above.

CITY:

CITY OF PEMBROKE PINES, FLORIDA

ATTEST:

DocuSigned by:

Marlene D. Graham December 20, 2022

E858EEE04EEF4F3...

MARLENE D. GRAHAM, CITY CLERK

By:

*[Handwritten Signature]*

MAYOR FRANK C. ORTIS

APPROVED AS TO FORM:

DocuSigned by:

By: Charles F. Dodge December 20, 2022

47B966ECFDAD4AC...

CHARLES F. DODGE, CITY MANAGER

DocuSigned by:

*Jacob Horowitz*

Name: Jacob Horowitz

OFFICE OF THE CITY ATTORNEY

CONTRACTOR:

FERGUSON ENTERPRISES, LLC

Signed By:

*[Handwritten Signature]*

Print Name:

Frank Horowitz

Title:

*[Handwritten Signature]*

**TERM CONTRACT FOR PURCHASE OF INVENTORY PARTS FOR ENVIRONMENTAL SERVICES WATER AND WASTEWATER DIVISION (IFB-603727-20/LNF)**

**THIS AGREEMENT** is dated as of the 16 day of July 20 20, by and between **FERGUSON ENTERPRISES, LLC**, duly authorized to conduct business in the State of Florida, whose address is 1470 Bobby Lee Point, Sanford, Florida 32771, in this Agreement referred to as "CONTRACTOR", and **SEMINOLE COUNTY**, a charter county and political subdivision of the State of Florida, whose address is Seminole County Services Building, 1101 E. 1<sup>st</sup> Street, Sanford, Florida 32771, in this Agreement referred to as "COUNTY".

**WITNESSETH:**

**WHEREAS**, COUNTY desires to retain a competent and qualified contractor to purchase Inventory Parts at a volume discount for COUNTY's Environmental Services Water and Wastewater Division; Seminole County; and

**WHEREAS**, COUNTY has requested and received expressions of interest for the retention of contractors to provide materials to COUNTY; and

**WHEREAS**, CONTRACTOR is competent, qualified, and desires to provide materials according to the terms and conditions stated in this Agreement,

**NOW, THEREFORE**, in consideration of the mutual understandings and covenants set forth in this Agreement, COUNTY and CONTRACTOR agree as follows:

**Section 1. Materials.** COUNTY hereby retains CONTRACTOR to provide materials as further described in the Scope of Services attached as Exhibit A and made a part of this Agreement. CONTRACTOR is also bound by all requirements as contained in the solicitation package, all addenda to this package, and CONTRACTOR's submission in response to this solicitation. Required materials will be specifically enumerated, described, and depicted in the Release Orders

authorizing purchase of specific materials. This Agreement standing alone does not authorize the purchase of materials or require COUNTY to place any orders for work.

**Section 2. Term.** This Agreement takes effect on the date of its execution by COUNTY and continues for a period of three (3) years. At the sole option of COUNTY, this Agreement may be renewed for two (2) successive periods not to exceed one (1) year each. Expiration of the term of this Agreement will have no effect upon Release Orders issued pursuant to this Agreement and prior to the expiration date. Obligations by both parties under such Release Orders will remain in effect until delivery and acceptance of the materials authorized by the respective Release Order. The first three (3) months of the initial term are considered probationary. During the probationary period, COUNTY may immediately terminate this Agreement at any time, with or without cause, upon written notice to CONTRACTOR.

**Section 3. Authorization for Materials.** Authorization for provision of materials by CONTRACTOR under this Agreement must be in the form of written Release Orders issued and executed by COUNTY. A sample Release Order is attached as Exhibit B. Each Release Order will describe the materials required, state the dates for delivery of materials, and establish the amount and method of payment. The Release Orders must be issued under and incorporate the terms of this Agreement. COUNTY makes no covenant or promise as to the number of available Release Orders or that CONTRACTOR will perform any Release Order for COUNTY during the life of this Agreement. COUNTY reserves the right to contract with other parties for the materials contemplated by this Agreement when it is determined by COUNTY to be in the best interest of COUNTY to do so.

**Section 4. Time for Completion.** The materials to be provided by CONTRACTOR must be delivered, as specified in such Release Orders as may be issued under this Agreement, within the time specified in the Release Order.

**Section 5. Compensation.** COUNTY shall compensate CONTRACTOR for the materials provided for under this Agreement on a Fixed Fee basis at the rates as outlined in Exhibit C. When a Release Order is issued on a Fixed Fee basis, then the applicable Release Order Fixed Fee amount will include any and all reimbursable expenses and will be based on the unit pricing attached to this Agreement, or as reduced in the quoting process leading to specific Release Orders.

**Section 6. Payment and Billing.**

(a) CONTRACTOR shall supply all materials required by the Release Order; but in no event will CONTRACTOR be paid more than the negotiated Fixed Fee amount stated within each Release Order.

(b) For Release Orders issued on a Fixed Fee basis, CONTRACTOR may invoice the amount due based on the percentage of total Release Order materials actually provided, but in no event may the invoice amount exceed a percentage of the Fixed Fee amount equal to a percentage of the total materials actually provided.

(c) COUNTY shall make payments to CONTRACTOR when requested as materials are provided, but not more than once monthly. Each Release Order will be invoiced separately. At the close of each calendar month, CONTRACTOR shall render to COUNTY an itemized invoice, properly dated, describing any materials provided, the cost of the materials provided, the name and address of CONTRACTOR, Release Order Number, Contract Number, and any other information required by this Agreement.

(d) The original invoice must be sent to:

Director of County Comptroller's Office  
Seminole County Board of County Commissioners  
Post Office Box 8080  
Sanford, FL 32772-8080

A copy of the invoice must be sent to:

Seminole County Environmental Services Water and Wastewater Division  
500 W. Lake Mary Boulevard  
Sanford, FL 32773

(e) Upon review and approval of CONTRACTOR's invoice, COUNTY shall pay CONTRACTOR the approved amount in accordance with the terms as set forth in Chapter 218, Part VII, Florida Statutes.

**Section 7. General Terms of Payment and Billing.**

(a) Upon satisfactory delivery of materials required under this Agreement and upon acceptance of the materials by COUNTY, CONTRACTOR may invoice COUNTY for the full amount of compensation provided for under the terms of this Agreement less any amount already paid by COUNTY. Upon review and approval of CONTRACTOR's invoice, COUNTY shall pay CONTRACTOR the approved amount in accordance with the terms as set forth in Chapter 218, Part VII, Florida Statutes.

(b) COUNTY may perform or have performed an audit of the records of CONTRACTOR at any time during the term of this Agreement and after final payment to support final payment under this Agreement. Audits may be performed at a time mutually agreeable to CONTRACTOR and COUNTY. Total compensation to CONTRACTOR may be determined subsequent to an audit as provided for in this Section and the total compensation so determined will be used to calculate final payment to CONTRACTOR. Performance of this audit will not delay final payment as provided by subsection (a) of this Section.

(c) CONTRACTOR shall maintain all books, documents, papers, accounting records, and other evidence pertaining to materials provided under this Agreement in such a manner as will readily conform to the terms of this Agreement. CONTRACTOR shall make such materials available at CONTRACTOR's office at all reasonable times during the term of this Agreement



and for five (5) years from the date of final payment under the contract for audit or inspection as provided for in subsection (b) of this Section.

(d) In the event any audit or inspection conducted after final payment but within the period provided in paragraph (c) of this Section reveals any overpayment by COUNTY under the terms of the Agreement, CONTRACTOR shall refund such overpayment to COUNTY within thirty (30) days of notice by COUNTY.

**Section 8. No Waiver by Forbearance.** COUNTY's review of, approval and acceptance of, or payment for the materials or services required under this Agreement does not operate as a waiver of any rights under this Agreement, or of any cause of action arising out of the performance of this Agreement. CONTRACTOR is and will always remain liable to COUNTY in accordance with applicable law for any and all damages to COUNTY caused by CONTRACTOR's negligent or wrongful provision of any of the materials or services provided under this Agreement.

**Section 9. Termination.**

(a) By written notice to CONTRACTOR, COUNTY may terminate this Agreement or any Release Order issued under this Agreement, in whole or in part, at any time, either for COUNTY's convenience or because of the failure of CONTRACTOR to fulfill its obligations under this Agreement. Upon receipt of such notice, CONTRACTOR shall immediately discontinue all services and materials affected, unless the notice directs otherwise, and deliver to COUNTY all data, drawings, specifications, reports, estimates, summaries, and any and all such other information and materials of whatever type or nature as may have been accumulated by CONTRACTOR in performing this Agreement, whether completed or in process.

(b) If the termination is for the convenience of COUNTY, CONTRACTOR will be paid compensation for services performed and materials provided to the date of termination.

(c) If the termination is due to the failure of CONTRACTOR to fulfill its obligations under this Agreement, COUNTY may take over the work and carry it to completion by other agreements or otherwise. In such case, CONTRACTOR will be liable to COUNTY for all reasonable additional costs associated with CONTRACTOR's failure to fulfill its obligations under this Agreement.

(d) CONTRACTOR will not be liable for such additional costs if the failure to perform the Agreement arises without any fault or negligence of CONTRACTOR, but CONTRACTOR will be responsible and liable for the actions by its subcontractors, agents, employees, persons, and entities of a similar type or nature. Matters beyond the fault or negligence of CONTRACTOR include acts of God or of the public enemy, acts of COUNTY in its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather, but in every case the failure to perform must be beyond the control and without any fault or negligence of CONTRACTOR.

(e) If after notice of termination for CONTRACTOR's failure to fulfill its obligations under this Agreement it is determined that CONTRACTOR had not so failed, the termination will be conclusively deemed to have been effected for the convenience of COUNTY. In such event, adjustment in the Agreement price will be made as provided in subsection (b) of this Section.

(f) The rights and remedies of COUNTY provided for in this Section are in addition and supplemental to any and all other rights and remedies provided by law or under this Agreement.

**Section 10. Agreement and Release Order in Conflict.** Wherever the terms of this Agreement conflict with any Release Order issued pursuant to it, this Agreement will prevail.

**Section 11. Equal Opportunity Employment.** CONTRACTOR shall not discriminate against any employee or applicant for employment for work under this Agreement because of race,

color, religion, sex, age, disability, or national origin. CONTRACTOR shall take steps to ensure that applicants are employed and employees are treated during employment without regard to race, color, religion, sex, age, disability, or national origin. This provision includes, but is not limited to the following: employment, upgrading, demotion or transfer, recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship.

**Section 12. No Contingent Fees.** CONTRACTOR warrants that it has not employed or retained any company or person other than a bona fide employee working solely for CONTRACTOR to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for CONTRACTOR, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from award or making of this Agreement. For the breach or violation of this provision, COUNTY will have the right to terminate the Agreement at its sole discretion without liability and to deduct from the Agreement price or otherwise recover the full amount of such fee, commission, percentage, gift, or consideration.

**Section 13. Conflict of Interest.**

(a) CONTRACTOR shall not engage in any action that would create a conflict of interest in the performance of its obligations pursuant to this Agreement with COUNTY or violate or cause others to violate the provisions of Chapter 112, Part III, Florida Statutes, relating to ethics in government.

(b) CONTRACTOR hereby certifies that no officer, agent, or employee of COUNTY has any material interest (as defined in Section 112.312(15), Florida Statutes, as over 5%), either directly or indirectly, in the business of CONTRACTOR to be conducted under this Agreement and that no such person will have any such interest at any time during the term of this Agreement.

**Section 14. Assignment.** Neither this Agreement nor any interest in it may be assigned, transferred, or otherwise encumbered under any circumstances by either party without prior written consent of the other party and in such cases only by a document of equal dignity with this Agreement.

**Section 15. Indemnification of COUNTY.** To the fullest extent permitted by law, CONTRACTOR shall hold harmless, release, and indemnify COUNTY, its commissioners, officers, employees, and agents from any and all claims, losses, damages, costs, attorney fees, and lawsuits for damages arising from, allegedly arising from, or related to CONTRACTOR's provision of materials or services under this Agreement caused by CONTRACTOR's act or omission in the performance of this Agreement.

**Section 16. Insurance.**

(a) General. CONTRACTOR shall procure and maintain insurance required under this Section at CONTRACTOR's own cost.

(1) CONTRACTOR shall provide COUNTY with a Certificate of Insurance on a current ACORD Form signed by an authorized representative of the insurer evidencing the insurance required by this Section (Professional Liability, Workers' Compensation/Employer's Liability, Commercial General Liability, and Business Auto). **The Certificate must have the Agreement number for this Agreement clearly marked on its face.** COUNTY, its officials, officers, and employees must be named additional insureds under the Commercial General Liability, Umbrella Liability and Business Auto policies. If the policy provides for a blanket additional insured coverage, CONTRACTOR shall provide a copy of the section of the policy along with the Certificate of Insurance. If the coverage does not exist, the policy must be endorsed to include the named additional insureds as described in this subsection. The Certificate of Insurance must provide that COUNTY will be provided, by policy endorsement, not less than

thirty (30) days written notice prior to the cancellation or non-renewal, or by a method acceptable to COUNTY. Until such time as the insurance is no longer required to be maintained by CONTRACTOR, CONTRACTOR shall provide COUNTY with a renewal or replacement Certificate of Insurance before expiration or replacement of the insurance for which a previous Certificate of Insurance has been provided.

(2) In addition to providing the Certificate of Insurance on a current ACORD Form, upon request as required by COUNTY, CONTRACTOR shall provide COUNTY with a certified copy of each of the policies of insurance providing the coverage required by this Section within thirty (30) days after receipt of the request. Certified copies of policies may only be provided by the insurer, not the agent or broker.

(3) Neither approval by COUNTY nor failure to disapprove the insurance provided by CONTRACTOR will relieve CONTRACTOR of its full responsibility for performance of any obligation, including its indemnification of COUNTY, under this Agreement.

(b) Insurance Company Requirements. Insurance companies providing the insurance under this Agreement must meet the following requirements:

(1) Companies issuing policies must be authorized to conduct business in the State of Florida and prove such authorization by maintaining Certificates of Authority or Letters of Eligibility issued to the companies by the Florida Office of Insurance Regulation. Alternatively, policies required by this Agreement for Workers' Compensation/Employers' Liability, may be those authorized as a group self-insurer by Section 624.4621, Florida Statutes.

(2) In addition, such companies must have and maintain, at a minimum, a Best's Rating of "A-" and a minimum Financial Size Category of "VII" according to A.M. Best Company.

(3) If, during the period that an insurance company is providing the insurance coverage required by this Agreement, an insurance company (i) loses its Certificate of Authority,

or (ii) fails to maintain the requisite Best's Rating and Financial Size Category, the CONTRACTOR shall immediately notify COUNTY as soon as CONTRACTOR has knowledge of any such circumstance and immediately replace the insurance coverage provided by the insurance company with a different insurance company meeting the requirements of this Agreement. Until such time as CONTRACTOR has replaced the unacceptable insurer with an insurer acceptable to COUNTY, CONTRACTOR will be deemed to be in default of this Agreement.

(c) Specifications. Without limiting any of the other obligations or liability of CONTRACTOR, CONTRACTOR shall procure, maintain, and keep in force amounts and types of insurance conforming to the minimum requirements set forth in this subsection, at CONTRACTOR's sole expense. Except as otherwise specified in this Agreement, the insurance will become effective upon execution of this Agreement by CONTRACTOR and must be maintained in force until the expiration of this Agreement's term or the expiration of all Orders issued under this Agreement, whichever comes last. Failure by CONTRACTOR to maintain this required insurance coverage within the stated period will constitute a material breach of this Agreement, for which COUNTY may immediately terminate this Agreement. The amounts and types of insurance must conform to the following minimum requirements:

(1) Workers' Compensation/Employer's Liability.

(A) CONTRACTOR's insurance must cover it for liability that would be covered by the latest edition of the standard Workers' Compensation policy as filed for use in Florida by the National Council on Compensation Insurance without restrictive endorsements. CONTRACTOR is also responsible for procuring proper proof of coverage from its subcontractors of every tier for liability that is a result of a Workers' Compensation injury to the subcontractor's employees. The minimum required limits to be provided by both CONTRACTOR and its

subcontractors are outlined in subsection (C) below. In addition to coverage for the Florida Workers' Compensation Act, where appropriate, coverage must be included for the United States Longshoremen and Harbor Workers' Compensation Act, Federal Employees' Liability Act, and any other applicable Federal or State law.

(B) Subject to the restrictions of coverage found in the standard Workers' Compensation policy, there will be no maximum limit on the amount of coverage for liability imposed by the Florida Workers' Compensation Act, the United States Longshoremen's and Harbor Workers' Compensation Act, or any other coverage customarily insured under Part One of the standard Workers' Compensation policy.

(C) The minimum amount of coverage under Part Two of the standard Workers' Compensation policy is required to be the following:

- \$500,000.00 (Each Accident)
- \$500,000.00 (Disease-Policy Limit)
- \$500,000.00 (Disease-Each Employee)

(2) Commercial General Liability.

(A) CONTRACTOR's insurance must cover it for those sources of liability that would be covered by the latest edition of the standard Commercial General Liability Coverage Form (ISO Form CG 00 01), as filed for use in the State of Florida by the Insurance Services Office. Coverage must not contain any endorsements excluding or limiting Products/Completed Operations, Contractual Liability, or Separation of Insureds.

(B) CONTRACTOR shall maintain these minimum insurance limits:

General Aggregate	Two Times (2x) the Each Occurrence Limit
Personal & Advertising Injury Limit	\$1,000,000.00
Each Occurrence Limit	\$1,000,000.00
Pollution Liability	\$1,000,000.00

(3) Business Auto Policy.

(A) CONTRACTOR's insurance must cover CONTRACTOR for those sources of liability which would be covered by Section II of the latest edition of the standard Business Auto Policy (ISO Form CA 00 01), as filed for use in the State of Florida by the Insurance Services Office. Coverage must include owned, non-owned, and hired autos or any auto used by CONTRACTOR. In the event CONTRACTOR does not own automobiles, CONTRACTOR shall maintain coverage for hired and non-owned auto liability for autos used by CONTRACTOR, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy. If the contract involves operations governed by Sections 29 or 30 of the Motor Carrier Act of 1980, endorsement MCS-90 is required.

(B) The minimum limits to be maintained by CONTRACTOR must be per-accident combined single limit for bodily injury liability and property damage liability.

(C) The minimum amount of coverage under the Business Auto Policy is required to be the following:

Combined Single Limit	\$1,000,000.00
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(d) Coverage. The insurance provided by CONTRACTOR pursuant to this Agreement must apply on a primary and non-contributory basis, and any other insurance or self-insurance maintained by COUNTY or COUNTY's officials, officers, or employees must be in excess of and not contributing to the insurance provided by or on behalf of CONTRACTOR.

(e) Occurrence Basis. The Workers' Compensation policy, the Commercial General Liability, and the Umbrella policy required by this Agreement must be provided on an occurrence rather than a claims-made basis. The Professional Liability insurance policy may be on an occurrence basis or claims-made basis. If a claims-made basis, the coverage must respond to all claims reported within three (3) years following the period for which coverage is required and which would have been covered had the coverage been on an occurrence basis.



(f) Obligations. Compliance with the foregoing insurance requirements will not relieve CONTRACTOR, its employees, or its agents of liability from any obligation under this Section or any other Section of this Agreement.

**Section 17. Dispute Resolution.**

(a) In the event of a dispute related to any performance or payment obligation arising under this Agreement, the parties shall exhaust COUNTY administrative dispute resolution procedures prior to filing a lawsuit or otherwise pursuing legal remedies. COUNTY administrative dispute resolution procedures for proper invoice and payment disputes are set forth in Section 22.15, "Prompt Payment Procedures," Seminole County Administrative Code. COUNTY administrative dispute resolution procedures for contract claims related to this Agreement, other than for proper invoice and payment disputes, are set forth in Section 3.5540, "Contract Claims," Seminole County Administrative Code.

(b) In any lawsuit or legal proceeding arising under this Agreement, CONTRACTOR hereby waives any claim or defense based on facts or evidentiary materials that were not presented for consideration in COUNTY administrative dispute resolution procedures set forth in subsection (a) above of which CONTRACTOR had knowledge and failed to present during COUNTY administrative dispute resolution procedures.

(c) In the event that COUNTY administrative dispute resolution procedures are exhausted and a lawsuit or legal proceeding is filed, the parties shall exercise best efforts to resolve disputes through voluntary mediation and to select a mutually acceptable mediator. The parties participating in the voluntary mediation shall share the costs of mediation equally.

**Section 18. Representatives of COUNTY and CONTRACTOR.**

(a) It is recognized that questions in the day to day conduct of performance pursuant to this Agreement may arise. Upon request by CONTRACTOR, COUNTY shall designate and

advise CONTRACTOR in writing of one or more of its employees to whom to address all communications pertaining to the day-to-day conduct of this Agreement. The designated representative will have the authority to transmit instructions, receive information, and interpret and define COUNTY's policy and decisions pertinent to the work covered by this Agreement.

(b) At all times during the normal work week, CONTRACTOR shall designate or appoint one or more representatives who are authorized to act on behalf of CONTRACTOR and bind CONTRACTOR regarding all matters involving the conduct of the performance pursuant to this Agreement, and who will keep COUNTY continually and effectively advised of such designation.

**Section 19. All Prior Agreements Superseded.** This Agreement incorporates and includes all prior negotiations, correspondence, conversations, agreements, or understandings applicable to the matters contained in this Agreement and the parties agree that there are no commitments, agreements, or understandings concerning the subject matter of this Agreement that are not contained or referred to in this document. Accordingly, it is agreed that no deviation from the terms of this Agreement may be predicated upon any prior representations or agreements, whether oral or written.

**Section 20. Modifications, Amendments, or Alterations.** No modification, amendment, or alteration in the terms or conditions contained in this Agreement will be effective unless contained in a written amendment executed with the same formality and of equal dignity with this Agreement.

**Section 21. Independent Contractor.** Nothing in this Agreement is intended or may be construed as in any manner creating or establishing a relationship of co-partners between the parties, or as constituting CONTRACTOR (including its officers, employees, and agents) as an agent, representative, or employee of COUNTY for any purpose or in any manner whatsoever.

CONTRACTOR is and will remain forever an independent contractor with respect to all services performed under this Agreement.

**Section 22. Employee Status.** Persons employed by CONTRACTOR in the performance of services and functions pursuant to this Agreement have no claim to pension, workers' compensation, unemployment compensation, civil service, or other employee rights or privileges granted to COUNTY's officers and employees, either by operation of law or by COUNTY.

**Section 23. Services Not Provided For.** No claim for services or materials provided by CONTRACTOR not specifically provided for in this Agreement will be honored by COUNTY.

**Section 24. Public Records Law.**

(a) CONTRACTOR acknowledges COUNTY's obligations under Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes, to release public records to members of the public upon request. CONTRACTOR acknowledges that COUNTY is required to comply with Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes, in the handling of the materials created under this Agreement and this statute controls over the terms of this Agreement. Upon COUNTY's request, CONTRACTOR shall provide COUNTY with all requested public records in CONTRACTOR's possession, or shall allow COUNTY to inspect or copy the requested records within a reasonable time and at a cost that does not exceed costs as provided under Chapter 119, Florida Statutes.

(b) CONTRACTOR specifically acknowledges its obligations to comply with Section 119.0701, Florida Statutes, with regard to public records and shall perform the following:

(1) Contractor shall keep and maintain public records that ordinarily and necessarily would be required by COUNTY in order to perform the services or provide the materials required under this Agreement,

(2) Contractor shall provide the public with access to public records on the same terms and conditions that COUNTY would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

(3) Contractor shall ensure public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law.

(c) Upon termination of this Agreement, CONTRACTOR shall transfer, at no cost to COUNTY, all public records in possession of CONTRACTOR, or keep and maintain public records required by COUNTY under this Agreement. If CONTRACTOR transfers all public records to COUNTY upon completion of this Agreement, CONTRACTOR shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If CONTRACTOR keeps and maintains the public records upon completion of this Agreement, CONTRACTOR shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to COUNTY, upon request of COUNTY, in a format that is compatible with the information technology systems of COUNTY.

(d) Failure to comply with this Section will be deemed a material breach of this Agreement for which COUNTY may terminate this Agreement immediately upon written notice to CONTRACTOR. CONTRACTOR may also be subject to statutory penalties as set forth in Section 119.10, Florida Statutes.

**(e) IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTRACTOR MAY CONTACT THE CUSTODIAN OF PUBLIC RECORDS, THE SEMINOLE COUNTY**

**PURCHASING AND CONTRACTS MANAGER, AT 407-665-7116,  
PURCH@SEMINOLECOUNTYFL.GOV, PURCHASING AND  
CONTRACTS DIVISION, 1301 EAST SECOND STREET, SANFORD, FL  
32771.**

**Section 25. Governing Law, Jurisdiction, and Venue.** The laws of the State of Florida govern the validity, enforcement, and interpretation of this Agreement. The sole jurisdiction and venue for any legal action in connection with this Agreement will be in the courts of Seminole County, Florida.

**Section 26. Compliance with Laws and Regulations.** In providing all services and materials pursuant to this Agreement, CONTRACTOR shall abide by all statutes, ordinances, rules, and regulations pertaining to or regulating the provision of such services and materials, including those now in effect and subsequently adopted. Any violation of these statutes, ordinances, rules, or regulations will constitute a material breach of this Agreement and will entitle COUNTY to terminate this Agreement immediately upon delivery of written notice of termination to CONTRACTOR.

**Section 27. Patents and Royalties.** Unless otherwise provided, CONTRACTOR is solely responsible for obtaining the right to use any patented or copyrighted materials in the performance of this Agreement. CONTRACTOR, without exception, shall indemnify and save harmless COUNTY and its employees from liability of any nature or kind, including costs and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or supplied by CONTRACTOR. In the event of any claim against COUNTY of copyright or patent infringement, COUNTY shall promptly provide written notification to CONTRACTOR. If such a claim is made, CONTRACTOR shall use its best efforts to promptly

purchase for COUNTY any infringing products or services or procure a license at no cost to COUNTY that will allow continued use of the service or product. If none of the alternatives are reasonably available, COUNTY shall return the article on request to CONTRACTOR and receive reimbursement, if any, as may be determined by a court of competent jurisdiction.

**Section 28. Notices.** Whenever either party desires to give notice to the other, it must be given by written notice, sent by registered or certified United States mail, return receipt requested, addressed to the party for whom it is intended at the place last specified. The place for giving of notice will remain such until it has been changed by written notice in compliance with the provisions of this Section. For the present, the parties designate the following as the respective places for giving of notice:

**For COUNTY:**

Seminole County Environmental Services Water and Wastewater Division  
500 W. Lake Mary Boulevard  
Sanford, FL 32773

**With a copy to:**

Seminole County Purchasing & Contracts Division  
1301 E. Second Street  
Sanford, FL 32771

**For CONTRACTOR:**

Ferguson Enterprises, LLC  
1470 Bobby Lee Point  
Sanford, FL 32771

**Section 29. Rights At Law Retained.** The rights and remedies of COUNTY provided for under this Agreement are in addition and supplemental to any other rights and remedies provided by law.

**Section 30. Headings and Captions.** All headings and captions contained in this Agreement are provided for convenience only, do not constitute a part of this Agreement, and may not be used to define, describe, interpret or construe any provision of this Agreement.

**Section 31. E-Verify System Registration.**

(a) CONTRACTOR must register with and use the E-Verify system to verify the work authorization status of all new employees prior to entering into this Agreement with COUNTY. If COUNTY provides written approval to CONTRACTOR for engaging with or contracting for the services of any subcontractors under this Agreement, CONTRACTOR must require certification from the subcontractor that at the time of certification, the subcontractor does not employ, contract, or subcontract with an unauthorized alien. CONTRACTOR must maintain a copy of the foregoing certification from the subcontractor for the duration of the agreement with the subcontractor.

(b) If COUNTY has a good faith belief that CONTRACTOR has knowingly violated this Section, COUNTY shall terminate this Agreement. If COUNTY terminates this Agreement with CONTRACTOR, CONTRACTOR may not be awarded a public contract for at least one (1) year after the date on which this Agreement is terminated. If COUNTY has a good faith belief that a subcontractor knowingly violated this Section, but CONTRACTOR otherwise complied with this Section, COUNTY must promptly notify CONTRACTOR and order CONTRACTOR to immediately terminate its agreement with the subcontractor.

*[The balance of this page is left intentionally blank.]*

IN WITNESS WHEREOF, the parties have made and executed this Agreement for the purposes stated above.

John Gilmore  
Witness

John Gilmore  
Print Name

Step Pro  
Witness

Step Pro  
Print Name

FERGUSON ENTERPRISES, LLC

By: Justin Montandon

Print Name: Justin Montandon

Title: Municipal Sales

Date: 7/16/2020

SEMINOLE COUNTY, FLORIDA

By: Betsy Cohen

BETSY COHEN, Interim Purchasing and  
Contracts Manager

Date: 7/16/2020

Tammy Roberts  
Witness

Tammy Roberts  
Print Name

Cassandra Reyes  
Witness

CASSANDRA Reyes  
Print Name

For the use and reliance of  
Seminole County only.

Approved as to form and  
legal sufficiency.

Within the authority delegated by the County  
Manager pursuant to Section 3.554, Seminole  
County Administrative Code.

David G. Smith  
County Attorney

DGS/apk  
7/13/20  
T:\Users\Legal Secretary CSB\Purchasing 2020\IFB-603727.docx

Attachments:

- Exhibit A - Scope of Services
- Exhibit B - Sample Release Order
- Exhibit C - Contract Pricing



## **EXHIBIT A SCOPE OF SERVICES**

### **Term Contract for Inventory Parts for Environmental Services Water and Wastewater Division**

Environmental Services Department / Water and Wastewater Division routinely purchases inventory parts on a high volume basis. The County will purchase these parts and miscellaneous appurtenances at a volume discount from published catalog price for miscellaneous inventory parts and materials. This discount shall include shipping and handling charges. All items should be ordered on an as needed basis and there is no guaranteed annual volume.

#### **PRICE LISTS:**

The percentage discount from catalog list prices must be firm for one year from bid opening date. Upon award of the bid, successful Bidder(s) must provide four (4) copies of the approved catalog price lists free of charge for use by various divisions and departments in Seminole County. All price list revisions and any changes to discounts shall be submitted to the Purchasing and Contracts Division for review and approval no less than thirty (30) days prior to the requested implementation date. Changes shall become effective only upon written approval of the County.

**Do not send catalog with bid.** All items must be new, in first class condition, including containers suitable for shipment and storage, unless otherwise indicated in the individual orders. All products specifications shall be consistent with approved standards of the industry for the applicable service.

Samples, when requested, must be furnished within five (5) working days of the request, at no cost to the County. Samples, if not procured, will be returned to the Supplier at the Supplier's expense.

Supplier(s) will supply Material Safety Data Sheet to the County Environmental Services Department, Water and Sewer Division, 500 West Lake Mary Boulevard, Sanford, FL 32773 for all applicable items.

**An example** list of some parts and/or equipment that are normally purchased by the County are listed as part of this solicitation.

**Contractor will provide information showing catalog pricing and the discounted amount with all requested quotes.**

FLORIDA SALES: 85-8013708974C-0  
 FEDERAL SALES/USE: 59-6000856

**Board of County Commissioners  
 PURCHASE ORDER**

**ORDER NUMBER:**

ALL PACKING SLIPS INVOICES AND CORRESPONDENCE  
 MUST REFER TO THIS ORDER NUMBER

S  
H  
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P



ORDER DATE  
 REQUISITION  
 REQUESTOR  
 VENDOR #

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R

**EXHIBIT B**

ORDER INQUIRIES  
 PURCHASING AND CONTRACT DIVISION  
 1301 EAST SECOND STREET  
 SANFORD FLORIDA 32771  
 PHONE (407) 665-7116 / FAX (407) 665-7956  
 ANALYST

DELIVERY

ITEM #	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	EXTENDED PRICE

<b>THIS ORDER IS SUBJECT TO THE TERMS &amp; CONDITIONS ON THE REVERSE SIDE OF THIS ORDER.</b>		<b>TOTAL AMOUNT</b>	
---	--	---------------------	--

**SUBMIT ALL INVOICES IN DUPLICATE TO:  
 CLERK - B.C.C. FINANCE DIVISION  
 POST OFFICE BOX 8080  
 SANFORD, FL 32772  
 Accts. Payable Inquiries - Phone (407) 665 7656**

## Terms and Conditions

1. **Acceptance/Entire Agreement.** This Purchase Order ("PO") is entered into between Seminole County, Florida ("County") and the Supplier referenced herein (individually, referred to as "Party," and collectively, "Parties"). By accepting this PO, Supplier accepts all Terms and Conditions contained herein. This PO, including specifications and drawings, if any, and referenced documents, such as solicitations and responses constitutes the entire agreement between the Parties. Whenever terms and conditions of Main Agreement, if any, conflict with any PO issued pursuant to Main Agreement, Main Agreement will control.
2. **Inspection.** Notwithstanding any prior payment or inspection, all goods/services are subject to inspection/rejection by County at any time, including during manufacture, construction or preparation. To the extent a PO requires a series of performances by Supplier, County reserves right to cancel remainder of PO if goods/services provided during the term of PO are non-conforming or otherwise rejected. Without limiting any rights County may have, County, at its sole option, may require Supplier, at Supplier's expense to: (a) promptly repair or replace any or all rejected goods, or to cure or re-perform any or all rejected services; or (b) refund price of any or all rejected goods or services. All rejected goods will be held for Supplier's prompt inspection at Supplier's risk. Nothing contained in PO will relieve Supplier's obligation of testing, inspection and quality control.
3. **Packing & Shipping.** Unless otherwise specified, all goods must be packed, packaged, marked and prepared for shipment in a manner that is: (a) in accordance with good commercial practice; (b) acceptable to common carriers for shipment at the lowest rate for the particular good; (c) in accordance with local, state, and federal regulations; and (d) protected against weather. Supplier must mark all containers with necessary lifting, handling, shipping information, PO number, date of shipment and the name of the consignee and consignor. An itemized packing sheet must accompany each shipment.
4. **Delivery; Risk of Loss.** All goods are FOB destination, and risk of loss will remain with Supplier until delivery by Supplier and acceptance by County. Goods delivered by Supplier that are damaged, defective, or otherwise fail to conform to PO may be rejected by County or held by County at Supplier's risk and expense. County may charge Supplier for cost(s) to inspect, unpack, repack, store and re-ship rejected goods.
5. **Delivery of Excess Quantities.** If Supplier delivers excess quantities of goods without prior written authorization from County, excess quantities of goods may be returned to Supplier at Supplier's expense.
6. **Time is of the Essence.** Time is of the essence for delivery of goods/services under PO. Failure to meet delivery schedules or deliver within a reasonable time, as determined by County, entitles County to seek all remedies available at law or in equity. County reserves right to cancel any PO and procure goods/services elsewhere if delivery is not timely. Supplier agrees to reimburse County for all costs incurred in enforcing its rights. Failure of County to cancel PO, acceptance, or payment will not be deemed a waiver of County's right to cancel remainder of PO. Delivery date or time in PO may be extended if Supplier provides a written request in advance of originally scheduled delivery date and time and County agrees to delayed delivery in writing prior to originally scheduled delivery date and time.
7. **Warranties.** Supplier warrants to County that all goods/services covered by PO conform strictly to specifications, drawings or samples specified or furnished by County, and are free from: (a) defects in title; and (b) latent or patent defects in material or workmanship. If no quality is specified by County, Supplier warrants to County that goods/services are of the best grade of their respective kinds, meet or exceed applicable standards for industry represented, are merchantable (as to goods) and are fit for County's particular purpose. Supplier warrants that at the time County accepts the goods/services, the goods/services will have been produced, sold, delivered and furnished in strict compliance with all applicable federal and state laws, regulations, ordinances, rules, labor agreements and working conditions to which goods/services are subject. Supplier warrants the title to goods furnished under PO is valid, transfer of such title to County is rightful and goods are free of any claims or liens of any nature whatsoever, whether rightful or otherwise, of any person, corporation, partnership or association. All applicable manufacturers' warranties must be furnished to County at time of delivery of goods or completion of service. All warranties are cumulative and are in addition to any other express or implied warranties provided by law.
8. **Indemnification.** To the fullest extent permitted by law, Supplier assumes any and all liability for damages, breach of PO, loss or injury of any kind or nature whatsoever to persons or property caused by, resulting from or related to the goods/services provided under PO. To the fullest extent permitted by law, Supplier shall indemnify and hold harmless County, its commissioners, officers, employees and agents from and against any and all claims, damages, demands, lawsuits, losses, costs and expenses, including attorneys' fees, patent, copyright or trademark infringement, judgments, decrees of whatsoever nature which County may incur as a result of claims, demands, lawsuits or causes of action of any kind or nature arising from, caused by or related to goods/services furnished by Supplier, its officers, employees, agents, partners, principals or subcontractors. Remedies afforded to County by this section are cumulative with and in no way affect any other legal remedy County may have under PO or at law. Supplier's obligations under PO must not be limited by any insurance coverage or by any provision in or exclusion or omission from any policy of insurance.
9. **Insurance.** Supplier, at its sole expense, shall maintain insurance coverage acceptable to County. All policies must name County as an additional insured. All Insurance Certificates must be provided to the Purchasing and Contracts Division within ten (10) days of request. Supplier shall notify County, in writing, of any cancellation, material change, or alteration to Supplier's Certificate of Insurance.
10. **Modifications.** PO may be modified or rescinded in writing by County.
11. **Material Safety Data Sheets.** At time of delivery, Supplier agrees to provide County with a current Material Safety Data Sheet for any hazardous chemicals or toxic substances, as required by law.
12. **Pricing.** Supplier agrees that pricing included on PO shall remain firm through and until delivery of goods and/or completion of services, unless otherwise agreed to by the Parties in writing.
13. **Invoicing & Payment.** After delivery of goods/services by Supplier and acceptance by County, Supplier shall submit a properly certified invoice to: Seminole County Clerk of Court and Comptroller, P.O. Box 8080, Sanford, Florida 32772. Invoices must be billed at pricing stipulated on PO and must include County's Order Number. Thereafter, all payments and interest on any late payments will be paid in compliance with Florida Prompt Payment Act, §218.70, Florida Statutes.
14. **Taxes.** County is exempt from Florida sales tax, federal taxes on transportation charges and any federal excise tax. County will not reimburse Supplier for taxes paid.
15. **Termination.** County may terminate PO, in whole or in part, at any time, either for County's convenience or because of Supplier's failure to fulfill its obligations under PO, by written notice to Supplier. Upon receipt of written notice, Supplier must discontinue all deliveries affected unless written notice directs otherwise. In the event of termination, County will be liable only for materials procured, work completed or services rendered or supplies partially fabricated, within the authorization of PO. In no event will County be liable for incidental or consequential damages by reason of such termination.
16. **Equal Opportunity Employer.** County is an Equal Employment Opportunity ("EEO") employer, and as such, requires all Suppliers to comply with EEO regulations with regards to race, color, religion, sex, national origin, age, disability or genetic information, as may be applicable to Supplier. Any subcontracts entered into, as authorized by County, must make reference to this clause with the same degree of application being encouraged.
17. **Assignment.** Supplier may not assign, transfer, or subcontract PO or any right or obligation under it without County's written consent. Any purported assignment, transfer, or subcontract will be null and void.
18. **Venue & Applicable Law.** The laws of the State of Florida govern validity, enforcement, and interpretation of PO. The sole jurisdiction and venue for any legal action in connection with PO will be in the courts of Seminole County, Florida.
19. **Fiscal Non-Funding.** In the event sufficient budgeted funds are not available for payment to Supplier for a new fiscal period, County shall notify Supplier of such occurrence and PO will terminate on the last day of the current fiscal period without penalty or expense to County.
20. **Public Records.** Supplier acknowledges that PO and any related financial records, audits, reports, plans, correspondence and other documents may be subject to disclosure to members of the public pursuant to Chapter 119, Florida Statutes. Supplier shall maintain all public records and, upon request, provide a copy of requested records or allow records to be inspected within a reasonable time. Supplier shall also ensure that any public records that are exempt or confidential from disclosure are not disclosed except as authorized by law. In event Supplier fails to abide by provisions of Chapter 119, Florida Statutes, County may, without prejudice to any other right or remedy and after giving Supplier seven (7) days written notice, during which period Supplier still fails to allow access to such documents, terminate PO. IF SUPPLIER HAS QUESTIONS REGARDING APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO SUPPLIER'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO PO, CONTACT CUSTODIAN OF PUBLIC RECORDS AT: 407-665-7116, [PURCH@SEMINOLECOUNTYFL.GOV](mailto:PURCH@SEMINOLECOUNTYFL.GOV), PURCHASING AND CONTRACTS DIVISION, 1301 E. SECOND STREET, SANFORD, FL 32771.
21. **Right to Audit Records.** County will be entitled to audit the books and records of Supplier to the extent that the books and records relate to this PO. Supplier must maintain books and records relating to this PO for a period of three (3) years from the date of final payment under the PO, unless the County authorizes otherwise in writing.
22. **Severability.** If any section, sentence, clause, phrase or portion of PO are, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such portion will be deemed separate, distinct, and independent and such holding will not affect validity of remaining portion of PO.
23. **Headings & Captions.** All headings and captions contained in PO are provided for convenience only, do not constitute a part of PO, and may not be used to define, describe, interpret or construe any provision of PO.

## EXHIBIT C

<b>SUBMIT BIDS TO:</b> Seminole County 1301 E. Second Street Sanford, Florida 32771 <b>Attn: PURCHASING &amp; CONTRACTS (PCD)</b>	<b>INVITATION FOR BID</b>  And Bidder Acknowledgment
<b>Contact:</b> Leticia Figueroa Procurement Analyst 407-665-7119- Phone 407-665-7956 - Fax <u>lfigueroa@seminolecountyfl.gov</u>	<b>IFB-603727-20/LNF</b> <b>Term Contract For Inventory Parts</b> <b>for Environmental Services Water</b> <b>and Wastewater Division</b>
<p style="text-align: center;"><b><u>Bid Due Date</u></b></p> <p style="text-align: center;"><b><u>Date:</u>    <u>March 11, 2020</u></b></p> <p style="text-align: center;"><b><u>Time:</u>    <u>2:00 PM</u></b>  (Eastern Standard Time)</p> <p style="text-align: center;"><b><u>Location of Public Opening:</u></b>  <b>Purchasing &amp; Contracts Division</b>  <b>PCD Conference Room</b>  <b>1301 E. Second Street, Sanford, FL 32771</b></p>	
<b>Proposer Name:</b> Ferguson Enterprises, LLC (Ferguson Waterworks)	<b>Federal Employer ID Number:</b> 54-1211771
<b>Mailing Address:</b> 1470 Bobby lee Point	If returning as a "No Submittal", state reason <b><u>(if so, return only this page):</u></b>
<b>City, State, Zip:</b> Sanford, FL 32771	
<b>Type of Entity (Circle one):</b> <u>Corporation</u> Partnership   Proprietorship   Joint Venture Incorporated in the State of: <u>Virginia</u> <b>List of Principals:</b> <u>Darren Campbell - GM</u> <u>Justin Montandon - Manager</u>	<b>The undersigned Bidder hereby</b> <b>acknowledges receipt of Addenda</b> <b>Numbers <u>1</u> through <u>4</u> :</b> <u>Justin Montandon</u> <u>6/23/2020</u> Authorized Signature (Manual)      Date
<b>Email Address:</b> justin.montandon@ferguson.com	<b>Typed Name:</b> Justin Montandon
<b>Telephone Number:</b> 407-859-7473	<b>Title:</b> Municipal Sales
<b>Fax Number:</b> 407-302-3327	<b>Date:</b> 6/23/2020

**THIS FORM MUST BE COMPLETED AND RETURNED WITH WRITTEN BID**

The Bidder is expected to completely analyze the information contained in this Invitation for Bid (IFB) as guidance for the preparation of their written submittal. The Bidder's written bid should be specific, detailed, and complete in order to clearly and fully demonstrate the Bidder's understanding of the requested work and/or delivery requirements.

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**Part 4  
Price Submittal**

**IFB-603727-20/LNF  
Term Contract for Inventory Parts for Environmental Water and  
Wastewater Division**

Name of Bidder: Ferguson Enterprises (LLC)- (Ferguson Waterworks)  
Mailing Address: 1470 Bobby Lee Point  
Street Address: \_\_\_\_\_  
City/State/Zip: Sanford, Fl 32771  
Phone Number: (407) 859-7473 FAX Number: (407) 302-3327  
E-Mail Address: justin.montandon@ferguson.com

Pursuant to and in compliance with the IFB Documents, the undersigned Bidder agrees to provide and furnish any and all of the labor, material, and tools, equipment, incidentals and transportation services necessary to complete all of the Work required in connection with the required services/commodities all in strict conformity Bid Documents for the amount hereinafter set forth.

The undersigned, as Bidder, declares that the only persons or parties interested in this bid as principals are those named herein; that this bid is made without collusion with any person, firm or corporation; and he proposes and agrees, if the bid is accepted, that he/she will execute an Agreement with the COUNTY in the form set forth in the Contract Documents; that he/she will furnish the Insurance Certificates.

Costs shall be inclusive of all direct and indirect costs including but not limited to, materials, labor, equipment, transportation, coordination and incidentals necessary for the performance of the work specified in Bid documents.

**All costs shall include packaging, transportation, FOB destination and all terms, conditions and specifications stated in this solicitation.**

- 1) Period of discount offered is from 2020 through 2027
- 2) Title and Publish date (year) of the catalog from which pricing is obtained and discount is offered: Municipal Machinery 2020 (updated copy released each year)

The Contractor shall provide all labor and other resources necessary to provide the supplies and equipment in strict accordance with the IFB documents for the amounts specified in this Bid Response, inclusive of overhead, profit and any other costs.

**Part 4  
Price Submittal**

The following list includes examples of parts and components that the County may procure on an ongoing basis.

Contract is not limited to these parts. Contract is inclusive of other parts used as part of inventory to maintain in operation the Water and Sewer system in Seminole County.

**WATER PIPES VALVES AND FITTINGS:**

**IRON PIPES & FITTINGS:**

Ductile Iron 3" thru 48"	Discount off Catalog Price shall be <u>70</u> %
Restrained Gaskets for Push-on Pipe	Discount off Catalog Price shall be <u>70</u> %
Mechanical Joint, All Joints, All Style Fittings	Discount off Catalog Price shall be <u>55</u> %
Flanged Fittings, All Style	Discount off Catalog Price shall be <u>55</u> %
Gaskets	Discount off Catalog Price shall be <u>58</u> %
Threaded Fittings, All Style	Discount off Catalog Price shall be <u>81</u> %
Bolt and Gasket Kits	Discount off Catalog Price shall be <u>60</u> %
Flange Adapters	Discount off Catalog Price shall be <u>50</u> %
Restrainer Systems	Discount off Catalog Price shall be <u>60</u> %
Restrainer Kits	Discount off Catalog Price shall be <u>60</u> %
Service Saddles, All Type	Discount off Catalog Price shall be <u>40</u> %
Stainless Steel Repair Clamps	Discount off Catalog Price shall be <u>40</u> %
Valves, All Sizes, All Styles	Discount off Catalog Price shall be <u>40</u> %
Fire Hydrant Items, Repair Parts and Kits	Discount off Catalog Price shall be <del>40</del> <u>10</u> %
Fire Hydrants	Discount off Catalog Price shall be <u>42</u> %

**GALVANIZED PIPE & FITTINGS:**

Galvanized Pipes, All Sizes, All Ratings	Discount off Catalog Price shall be <u>50</u> %
Galvanized Fittings, All Sizes, All Styles	Discount off Catalog Price shall be <u>81</u> %
Galvanized Couplings	Discount off Catalog Price shall be <u>81</u> %

**FORD BRASS PIPE AND FITTINGS:**

Brass Pipe, All Sizes, All Ratings	Discount off Catalog Price shall be <u>92</u> %
Brass Fittings, All Sizes, All Styles	Discount off Catalog Price shall be <u>52.5</u> %
Vacuum Breakers, All Sizes, All Styles	Discount off Catalog Price shall be <u>50</u> %
Valves, All Sizes, All Styles	Discount off Catalog Price shall be <u>52.5</u> %

**PVC PIPES & FITTINGS:**

PVC, ½ "thru 4"	Discount off Catalog Price shall be <u>5</u> %
PVC Fittings, All sizes, All styles	Discount off Catalog Price shall be <u>70</u> %
Plastic Pipe, All Sizes, All Ratings, All Style	Discount off Catalog Price shall be <u>5</u> %
PVC Restrainer Kits	Discount off Catalog Price shall be <u>60</u> %
HDPE (Poly) 1" thru 24", Pipe, Fittings	Discount off Catalog Price shall be <u>20</u> %

**ELECTRICAL: (General Electric, Siemens, Square D and Westinghouse)**

Relays, including Sockets and Holders	Discount off Catalog Price shall be <u>NA</u> %
NEMA Motor Starters	Discount off Catalog Price shall be <u>NA</u> %
Switches, All Styles, All Types	Discount off Catalog Price shall be <u>NA</u> %
Motor Starters, Contacts, Repair Part Including Renewal Kits	Discount off Catalog Price shall be <u>NA</u> %
Conduit, All Sizes, All Styles	Discount off Catalog Price shall be <u>20</u> %
Conduit Fittings	Discount off Catalog Price shall be <u>20</u> %

Wire	Discount off Catalog Price shall be <u>50</u> %
Fuses	Discount off Catalog Price shall be <u>NA</u> %
Light fixtures	Discount off Catalog Price shall be <u><del>NA</del> 20</u> %
Light Bulbs	Discount off Catalog Price shall be <u>20</u> %
Miniature Bulbs	Discount off Catalog Price shall be <u>20</u> %
Indicating lights	Discount off Catalog Price shall be <u>20</u> %
Strut / Straps and Related Electrical Hardware	Discount off Catalog Price shall be <u>NA</u> %
Terminals, Splice Kits & Misc. Connectors	Discount off Catalog Price shall be <u>N/A</u> %
Electrical tape and insulation	Discount off Catalog Price shall be <u>N/A</u> %

**SAFETY HARDWARE AND MISCELLANEOUS ITEMS:**

Flagging / caution tape	Discount off Catalog Price shall be <u>Net 0</u> %
First aid kits and refills	Discount off Catalog Price shall be <u>Net 0</u> %
Safety goggles and shields	Discount off Catalog Price shall be <u>Net 0</u> %
Gloves	Discount off Catalog Price shall be <u>Net 0</u> %
Ear plugs	Discount off Catalog Price shall be <u>Net 0</u> %
Paints	Discount off Catalog Price shall be <u>25</u> %
Spray Lubricants	Discount off Catalog Price shall be <u>Net 0</u> %
Teflon Dry Lubricate	Discount off Catalog Price shall be <u>Net 0</u> %
Chain Lubricate	Discount off Catalog Price shall be <u>Net 0</u> %
Odor control agents	Discount off Catalog Price shall be <u>Net 0</u> %
Oil and Canned Lubricate	Discount off Catalog Price shall be <u>Net 0</u> %



**SAFETY HARDWARE AND MISCELLANEOUS ITEMS: (Cont.)**

Nuts, Bolts & Washers, All Styles, All Types	Discount off Catalog Price shall be <u>60</u> %
Threaded Rod, All Styles, All Types	Discount off Catalog Price shall be <u>50</u> %
Glues and Adhesives	Discount off Catalog Price shall be <u>40</u> %
Tapes, All Styles, All Types	Discount off Catalog Price shall be <u>20</u> %
Fasteners	Discount off Catalog Price shall be <u>60</u> %
Cement, All Styles, All Types	Discount off Catalog Price shall be <u>40</u> %
Cleaner, All Styles, All Types	Discount off Catalog Price shall be <u>40</u> %
Pipe Sealant, All Types	Discount off Catalog Price shall be <u>40</u> %

**SPECIALTY ITEMS**

Pipe Restraints, All Styles, All Types	Discount off Catalog Price shall be <u>20</u> %
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<b>SUBMIT BIDS TO:</b> Seminole County 1301 E. Second Street Sanford, Florida 32771 <b>Attn: PURCHASING &amp; CONTRACTS (PCD)</b>	<b>INVITATION FOR BID</b>  And Bidder Acknowledgment
Contact: Leticia Figueroa Procurement Analyst 407-665-7119- Phone 407-665-7956 - Fax <a href="mailto:lfigueroa@seminolecountyfl.gov">lfigueroa@seminolecountyfl.gov</a>	<b>IFB-603727-20/LNF</b> <b>Term Contract For Inventory Parts  for Environmental Services Water  and Wastewater Division</b>
<p style="text-align: center;"><b><u>Bid Due Date</u></b></p> <p style="text-align: center;"><b><u>Date:</u>    <u>March 11, 2020</u></b></p> <p style="text-align: center;"><b><u>Time:</u>    <u>2:00 PM</u></b>  <b>(Eastern Standard Time)</b></p> <p style="text-align: center;"><b><u>Location of Public Opening:</u></b>  <b>Purchasing &amp; Contracts Division</b>  <b>PCD Conference Room</b>  <b>1301 E. Second Street, Sanford, FL 32771</b></p>	
Proposer Name:	Federal Employer ID Number:
Mailing Address:	If returning as a "No Submittal", state reason <b><u>(if so, return only this page):</u></b>
City, State, Zip:	
Type of Entity ( <b>Circle one</b> ): Corporation Partnership   Proprietorship   Joint Venture Incorporated in the State of: _____ List of Principals: _____ _____	<b>The undersigned Bidder hereby  acknowledges receipt of Addenda  Numbers _____ through _____:</b>  _____ Authorized Signature (Manual)      Date
Email Address:	Typed Name:
Telephone Number:	Title:
Fax Number:	Date:

**THIS FORM MUST BE COMPLETED AND RETURNED WITH WRITTEN BID**

The Bidder is expected to completely analyze the information contained in this Invitation for Bid (IFB) as guidance for the preparation of their written submittal. The Bidder's written bid should be specific, detailed, and complete in order to clearly and fully demonstrate the Bidder's understanding of the requested work and/or delivery requirements.

**Part 1**  
**General Scope**  
**Term Contract for Inventory Parts for Environmental Services Water and Wastewater Division**

Environmental Services Department / Water and Wastewater Division routinely purchases inventory parts on a high volume basis. The County is interested in entering into agreement(s) with firm(s) to purchase these parts and miscellaneous appurtenances at a volume discount. Vendors will offer a firm discount from published catalog price for miscellaneous inventory parts and materials. This discount shall include shipping and handling charges. All items should be ordered on an as needed basis and there is no guaranteed annual volume.

**PRICE LISTS:**

The percentage discount from catalog list prices must be firm for one year from bid opening date. Upon award of the bid, successful Bidder(s) must provide four (4) copies of the approved catalog price lists free of charge for use by various divisions and departments in Seminole County. All price list revisions and any changes to discounts shall be submitted to the Purchasing and Contracts Division for review and approval no less than thirty (30) days prior to the requested implementation date. Changes shall become effective only upon written approval of the County.

**Do not send catalog with bid.** All items must be new, in first class condition, including containers suitable for shipment and storage, unless otherwise indicated in the individual orders. All products specifications shall be consistent with approved standards of the industry for the applicable service.

Samples, when requested, must be furnished within five (5) working days of the request, at no cost to the County. Samples, if not procured, will be returned to the Supplier at the Supplier's expense.

Supplier(s) will supply Material Safety Data Sheet to the County Environmental Services Department, Water and Sewer Division, 500 West Lake Mary Boulevard, Sanford, FL 32773 for all applicable items.

**An example** list of some parts and/or equipment that are normally purchased by the County are listed as part of this solicitation.

Contractor will provide information showing catalog pricing and the discounted amount with all requested quotes.

## Part 2 Instructions to Bidders

**CONTACT:** All prospective Bidders are hereby instructed not to contact any member of the Seminole County Board of County Commissioners, the County Manager or Deputy Manager, or any Seminole County Staff members other than the noted Purchasing & Contracts Division (herein referred to as 'PCD') Contact Person regarding this IFB or their written bid at any time prior to the posting on the COUNTY's Website of the recommendation and intent to award by County staff for this project. Any such contact shall be cause for rejection of your bid. Interpretation of this clause will be solely at the discretion of the County.

**PUBLIC OPENING:** Written bids shall be received at PCD in the specified location, date and time (considered to be the deadline for submission) as referenced in the Formal Notice for this IFB, unless otherwise revised via posted Addenda. As soon as possible thereafter, the names of the Bidders that submitted written bids for this IFB shall be read aloud at the specified location. Persons with disabilities needing assistance to participate in the Public Closing should call the noted PCD Contact Person at least forty-eight (48) hours in advance of the Public Opening at (407) 665-7110.

**DELAYS:** The COUNTY, at its sole discretion, may delay the scheduled due date and time for submission, if it is to the advantage of the COUNTY to do so. The COUNTY will post all changes in the scheduled due date and time for submission by written addendum posted to the COUNTY's Website: ([www.seminolecountyfl.gov/purchasing](http://www.seminolecountyfl.gov/purchasing))

**BID SUBMISSION AND WITHDRAWAL:** The COUNTY will receive written submittals in hard copy form as stated in the Formal Notice. The outside of the envelope/container must be identified with this IFB Number and Title referenced within the Formal Notice for this IFB. The envelope/container must also include the Bidder's name and return business address. No electronic bid submissions by email or other electronic method will be accepted. **Bids received after the scheduled due date and time for submission shall be returned unopened.** The scheduled due date and time for submission will be scrupulously observed. The COUNTY will not be responsible for late deliveries or delayed mail. The time/date stamp clock located in PCD shall serve as the official authority to determine lateness of any bid. The COUNTY cautions all Bidders to ensure actual delivery of mailed or hand-delivered bids prior to the scheduled due date and time for submission that has been set for receiving bids. Telephone confirmation of timely receipt of any bid should be made by calling (407) 665-7116, before the 2:00 deadline.

The Bidder is required to submit **FIVE (5) COMPLETE SETS** in hard copy (one [1] original and **FOUR [4]** copies), **plus ONE (1) CD ROM** of their complete written submittal. The Bidder should submit their written bid in person or by mail in hard copy form. The CD ROM should not include information in addition to that being provided in the original hard copy submittal. If additional information is received, PCD will serve notice to the Bidder that the additional information will not be considered under this IFB solicitation.

Bidders may withdraw their bids by notifying the COUNTY in writing at any time prior to the scheduled due date and time for submission. Bidders may withdraw their bids in person or through an authorized representative. Bidders and authorized representatives must disclose their identity, display proper identification and provide a signed receipt for the bid. Bids, once opened, become the property of the COUNTY and will not be returned to the Bidder. **At its sole discretion, the COUNTY may request additional information should the COUNTY deem it necessary.**

**INQUIRIES:** All Bidders should carefully examine the IFB documents. Any ambiguities or inconsistencies shall be brought to the attention of PCD Contact Person in writing prior to the scheduled due date and time for submission. Failure to do so, on the part of the Bidder, shall constitute an acceptance by the Bidder of any subsequent decision made by the COUNTY. Any questions concerning the intent, meaning and interpretations of the IFB documents including the attached Draft Agreement, shall be requested in writing, and received by PCD Contact Person at least seven (7) calendar days prior to the scheduled due date and time for submission. Written requests can be submitted via e-mail: [lfigueroa@seminolecountyfl.gov](mailto:lfigueroa@seminolecountyfl.gov). The COUNTY will not be responsible for oral instructions made by employees of the COUNTY or its authorized representatives in regard to this IFB.

**ADDENDUM:** Should revisions to the IFB documents become necessary; the COUNTY will post Addenda information on the COUNTY's Website. All Bidders should check the COUNTY's Website or notify PCD Contact Person to verify information regarding Addenda. Failure to do so may result in rejection of the Bidder's submitted bid and a determination as "Non-Responsive". **By execution of the Formal Notice for this IFB, the Bidder acknowledges receipt of all Addenda issued under this solicitation.** Addenda information will be posted on the COUNTY's Website ([www.seminolecountyfl.gov/purchasing](http://www.seminolecountyfl.gov/purchasing)). It is the sole responsibility of the Bidder to ensure that they obtain information related to any Addenda.

**SELECTION PROCESS AND AWARD:** The award will be made to the lowest priced, responsive, responsible Bidder. The Bidder(s) understands that this Bid does not constitute an agreement or a contract with the Bidder. The COUNTY reserves the right to reject all bids/proposals, make multiple awards (award to more than one vendor), make a partial award, to waive formalities, to re-solicit and advertise for new bids/proposals, or to cancel the project in its entirety. In evaluating Bids, the COUNTY shall consider the information provided by the Apparent Low Bidder as described in these "INSTRUCTIONS TO BIDDERS." Any of the following causes may be considered as sufficient grounds for disqualification of a Bidder or the rejection of a Bid:

- (a) Submission of more than one (1) Bid for the same Work by any entity under the same or different names.
- (b) Evidence of collusion among Bidders.
- (c) Submission of an unbalanced Bid in which prices quoted for some items are out of proportion to the prices quoted for other or similar items in the same Bid.
- (d) Lack of responsibility as shown by past Work from the standpoint of life safety including, but not limited to, strict adherence to all maintenance of traffic requirements of COUNTY, workmanship, progress and financial irresponsibility.
- (e) Uncompleted Work for which the Apparent Low Bidder is committed by contract which might hinder or prevent the prompt completion of Work under this Bid if an Agreement would have been awarded to the Apparent Low Bidder.
- (f) Falsification of any entry made on the Bid Documents shall be deemed a material irregularity and will be grounds, at the COUNTY's option, for disqualification of the Apparent Low Bidder or rejection of the Bid.
- (g) This section shall be construed liberally to benefit the public and not the Apparent Low Bidder; however, any other evidence which may hinder or otherwise delay completion of the Project may be grounds for disqualification.
- (h) Non-compliance with the submittal requirements of these Instructions to Bidders.

**AWARD CRITERIA:** The recommendation of award will be based on, but not limited to the following criteria:

- (a) The ability, capacity and skill of the Apparent Low Bidder to perform the Work.
- (b) Whether the Apparent Low Bidder can perform the Work promptly, or within the time specified, without delay or interference.
- (c) The character, integrity, reputation, judgment and efficiency of the Apparent Low Bidder.
- (d) The quality of performance of previous contracts or services to Seminole County or any other agency or client.
- (e) The previous and existing compliance by the Apparent Low Bidder with Chapter 220, Seminole County Purchasing Code & Procedures, the life safety requirements of COUNTY, and other laws and ordinances, regulations.
- (f) The sufficiency of the financial resources and ability of the Apparent Low Bidder to perform the Work.
- (g) The quantity, availability and adaptability of the Apparent Low Bidder to perform the Agreement or service to the particular needs of the COUNTY.
- (h) The ability of the Apparent Low Bidder to retain employees for the purpose of this Work.
- (i) The experience of the Apparent Low Bidder performing in a similar manner as required by this Agreement. Minimum of three (3) satisfactory years shall be required.
- (j) The type, structure and experience of the local or branch management proposed.
- (k) Quality Control Program.
- (l) Claims and Litigation filed against the Apparent Low Bidder or filed by the Apparent Low Bidder for equitable adjustment, contract claim or litigation in the past five (5) years.
- (m) Reprimand of any nature or suspension by the Department of professional Regulation or any other regulatory agency or professional association within the last five (5) years.

**BID PREPARATION COSTS:** Neither the COUNTY nor its representatives shall be liable for any expenses incurred in connection with preparation of a response to this IFB. Bidders should prepare their bids simply and economically, providing a straightforward and concise description of the Bidder's ability to meet the requirements of this IFB.

**ACCURACY OF BID INFORMATION:** By submission of a bid, Bidder acknowledges that they have carefully examined the IFB documents and agrees to furnish the services/products specified in the solicitation at the prices, rates or discounts as proposed. Bidder agrees that their bid will remain firm for a period of up to one hundred twenty (120) days in order to allow the County adequate time to evaluate the submittals.

By submission of a bid, Bidder agrees to abide by all conditions of this bid and understand that a background investigation may be conducted by the Seminole County Sheriff's Department prior to award. Bidder certifies that all information contained in their bid is truthful to the best of their knowledge and belief. Bidder further certifies that they are duly authorized to submit this bid on behalf of the vendor/Bidder as its act and deed and that the vendor/Bidder is ready, willing and able to perform if selected.

**INSURANCE:** A misstatement or omission of a material fact, whether intentional or not, regarding the Proposer's insurance coverage, policies or capabilities may be grounds for rejection of the Proposer's submitted proposal and rescission of any ensuing Award Agreement.

**The COUNTY recommends that all Bidders review the insurance requirements listed within the Draft Agreement with their insurance carriers. A copy of the insurance certificate shall be furnished to the COUNTY prior to the final execution of the COUNTY's Award Agreement. The COUNTY reserves the right to reject the award to any Bidder that fails to provide the insurance as required within the COUNTY's Award Agreement.**

**LICENSES:** Bidders, both corporate and individual, must be fully licensed and certified for the type of work to be performed in the **State of Florida** at the time of submittal of Bid. Should the Bidder not be fully licensed and certified, its bid shall be rejected. Any permits, licenses, or fees required shall be the responsibility of the Bidder. No separate or additional payment will be made for these costs. Adherence to all applicable code regulations, Federal, State, County, City, etc., are the responsibility of the Bidder.

The following licensing requirements shall apply when the applicable Florida Statute mandates specific licensing for Contractors engaged in the type of work covered by this solicitation. (a) State of Florida, Department of Professional Regulation, Construction Industries Licensing Board and licensed by other federal, state, regional, county or municipal agencies having jurisdiction over the specified construction work; (b) Said licenses shall be in the Bidder's name as it appears on the Official Bid Form. Bidder shall supply appropriate license numbers, with expiration dates, as part of their bid. Failure to hold and provide proof of proper licensing, certification and registration may be grounds for rejection of the bid; (c) Bidder shall provide copies of all applicable licenses with their Bid Proposal; and (d) Subcontractors contracted by the Prime Contractor shall be licensed in their respective fields to obtain construction permits from the County.

**OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.):** In instances where such is applicable due to the nature of the bid matter with which this bid package is concerned, all material, equipment, etc., as proposed and offered by Bidders must meet and conform to all O.S.H.A. requirements; the Bidder's signature upon the bid proposal form being by this reference considered a certification of such fact.

**POSTING OF RECOMMENDATION AND INTENT OF AWARD:** The recommendation and intent to award for this IFB will be posted on the COUNTY's Website ([www.seminolecountyfl.gov/purchasing](http://www.seminolecountyfl.gov/purchasing)) prior to submission for final approval of award. Failure to file a protest with the COUNTY's Purchasing & Contracts Manager within the time prescribed in the COUNTY's Purchasing Code, Policies and Procedures shall constitute a waiver of proceedings.

**PUBLIC RECORDS:** Upon recommendation and intent to award for this IFB as posted to the COUNTY's website or within thirty (30) calendar days after closing, bids are considered "public records" and shall be subject to the public disclosure regulations consistent with Chapter 119, Florida Statutes. Bidders must invoke the exemptions to disclosure provided by law in the response to the solicitation and must identify the data or other materials to be protected by separate envelope, and must state the reasons why such exclusion from public disclosure is necessary pursuant to the COUNTY's, "Compliance With Public Records Law" Form, which is required as part of the IFB documents. Ownership of all data, material, and documentation originated and prepared for the County pursuant to the IFB shall belong exclusively to the County and be subject to public inspection in accordance with the Public Records Law. Trade secrets or proprietary information submitted by a Bidder shall not be subject to public disclosure under the Public Records Law; however, the Bidder must invoke the protection of this section prior to or upon submission of the data or other materials, and must identify the data or other materials to be protected and state the reasons why protection is necessary.

**PROHIBITION AGAINST CONTINGENT FEES:** It shall be unethical for any person to be retained, or to retain any company or person, other than a bonafide employee working solely for the Bidder to solicit or secure the Award Agreement for this IFB, and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bonafide employee working solely for the Bidder, any fee, commission, percentage, gift, or other

consideration contingent upon or resulting from award or making of this Award Agreement. For the breach or violation of this provision, the COUNTY shall have the right to terminate the Award Agreement at its sole discretion, without liability and to deduct from the Award Agreement price, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration.

**ACCEPTANCE / REJECTION / DISQUALIFICATION:** The COUNTY reserves the right to accept and make award to those Bidders, who in the opinion of the COUNTY, will be in the best interest of and/or the most advantageous to the COUNTY. The COUNTY reserves the right to reject all bids/proposals, make multiple awards (award to more than one vendor), make a partial award, to re-solicit and advertise for new bids/proposals, or to cancel the project in its entirety. The COUNTY reserves the right to reject the bid of any Bidder who has previously failed in the proper performance of an award or to deliver on time agreements of a similar nature or who, in the COUNTY's opinion, is not in a position to perform properly under this award. The COUNTY reserves the right to inspect all facilities of Bidders in order to make a determination as to the available resources to perform properly under this award. The COUNTY reserves the right to waive any irregularities, informalities, and technicalities and may, at its discretion, issue a re-procurement.

More than one (1) bid from an individual, firm, partnership, corporation, or association under the same or different names will not be considered. Reasonable grounds for believing that a Bidder is involved in more than one proposal submittal will be cause for rejection of all bids in which such Bidders are believed to be involved. Any or all bids will be rejected if there is reason to believe that collusion exists between Bidders. Bids in which the prices obviously are unbalanced will be subject to rejection.

**ADDITIONAL TERMS AND CONDITIONS:** Unless expressly accepted by the County, only the terms and conditions in this document shall apply: No additional terms and conditions included with the bid response shall be considered. Any and all such additional terms and conditions shall have no force and effect, and are inapplicable to this bid if submitted either purposely through intent or design, or inadvertently appearing separately in transmittal letters, specifications, literature, price lists or warranties. It is understood and agreed that the general and/or any special conditions in these Bid Documents are the only conditions applicable to this bid and the Bidder's authorized signature on the Bid Response Form attests to this. Exceptions to the terms and conditions will not be accepted.

**RESPONSIBILITY:** The County reserves the right, before award, to require a Bidder to submit such evidence of his qualifications as it may deem necessary, and may consider any evidence available such as financial, technical, and other qualifications and abilities of the Bidder, including past performance and experience with the County. This information may be used to determine the Bidder's responsibility.

**BIDS TO REMAIN FIRM.** All Bids shall remain firm for a minimum of one hundred twenty (120) days after the day of the Bid opening to allow for the evaluation and selection process and proper execution of the Agreement. Extensions of time when Bids shall remain opened beyond the one hundred twenty day period may be made only by mutual agreement between Seminole County and the Selected Bidder. The successful Contractor must maintain the bid prices firm for a minimum of one (1) year after the contract is executed. No cost increase will be authorized during the first year of the agreement.



**PURCHASING CODE:** The COUNTY's Code of Ordinances Chapter 220 (Purchasing Code), Administrative Code Section 3.55 (Purchasing Policy), and the County Manager's Policies & Procedures apply to this IFB in their entirety with respect to this IFB.

**AFFIRMATION:** By submission of a bid, the Bidder affirms that their bid is made without prior understanding, agreement or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, equipment or services, and in all respects fair and without collusion or fraud. The Bidder agrees to abide by all conditions of this IFB and the resulting Award Agreement

**MISTAKES IN BID:** Bidders are expected to examine the terms and conditions, specifications, delivery schedule, bid prices, extensions and all instructions pertaining to supplies and services. Failure to do so will be at Bidder's risk. In the event of extension error(s), the unit price will prevail and the Bidder's total offer will be corrected accordingly. Written amounts shall take precedence over numerical amounts. In the event of addition errors(s), the unit price, and extension thereof, will prevail and the Bidder's total offer will be corrected accordingly. Bids having erasures or corrections must be initialed in ink by the Bidder.

**GOVERNMENTAL RESTRICTIONS:** In the event that any governmental restrictions are imposed which would necessitate alteration of the material quality, workmanship or performance of the items offered on this bid prior to their delivery, it shall be the responsibility of the Bidder to notify the Purchasing and Contracts Division at once, indicating in his/her letter the specific regulation which required an alteration, including any price adjustments occasioned thereby. The County reserves the right to accept such alteration or to cancel the contract or purchase order at no further expense to the County.

**DRUG-FREE WORKPLACE COMPLIANCE:** Bidder shall comply with Florida Statute 287.087 and failure to comply shall result in rejection/disqualification of the bid and all agreements as a result of this solicitation.

**PUBLIC ENTITY CRIME:** Any Person or affiliate, as defined in Section 287.133 of the Florida Statutes, shall not be allowed to contract with the COUNTY, nor be allowed to enter into a subcontract for Work on this Project, if such a person or affiliate has been convicted of a public entity crime within three (3) years from the date of this Project was advertised for Proposal, or if such person or affiliate was listed on the State's convicted vendor list, within three (3) years of the date of this Project was advertised, whichever time period is greater. A public entity crime means a violation of any state or federal law with respect to and directly related to the transaction of business with any public entity or agency (federal, state or local), including but not limited to, any contract for the construction or repair of a public building or public work involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, forgery, falsification of records, receiving stolen property or material misrepresentation. Any Agreement with the COUNTY obtained in violation of this Section shall be subject to termination for cause. A sub-Contractor who obtains a subcontract in violation of this Section shall be removed from the Project and promptly replaced by a sub-Contractor acceptable to the COUNTY.

**UNIFORM COMMERCIAL CODE:** The Uniform Commercial Code (Florida Statutes, Chapter 672) shall prevail as the basis for contractual obligations between the Bidder and the County for any terms and conditions not specifically stated in this solicitation.

**PROPRIETARY/RESTRICTIVE SPECIFICATIONS:** Bidder, who feels the specifications contained herein are proprietary or restrictive in nature, thus potentially resulting in reduced competition, must notify the Purchasing and Contracts Division of their rejection upon receipt of this IFB and prior to the due date.



same contract price, and for the same effective period as this proposal, should the Applicant feel it is in their best interest to do so. Each governmental agency desiring to accept these submittals, and make an award thereof, shall do so independently of any other governmental agency. Each agency shall be responsible for its own purchases and each shall be liable only for materials and/or services ordered and received by it, and no agency assumes any liability by virtue of this solicitation. This agreement in no way restricts or interferes with the right of any governmental agency to re-solicit any or all items.

**QUANTITIES:** Seminole County will not be held to any maximum or minimum purchase quantities as a result of this solicitation and/or resulting contract. Seminole County reserves the right to purchase any; all, or none, of its requirements from vendors awarded a contract as a result of this solicitation. All quantities as shown are approximate and no guarantee is made. Except as this contract may otherwise provide, if the County's requirements do not result in orders in the quantities described as "estimated" in the contract's price schedule, that fact shall not constitute the basis for an equitable adjustment.

**PRICE/DELIVERY:** Price(s) quoted must be the price(s) for new merchandise unless otherwise specified. Any bids containing escalator clauses will not be considered unless specifically requested in the bid specifications.

Delivery shall be during the normal working hours of the user department, Monday through Friday, unless otherwise specified and incorporated into contract or purchase order document. **F.O.B. POINT:** The F.O.B. point shall be destination. The prices bid shall include all costs of loading, transporting, delivery and to designated point(s) within Seminole County.

Deliveries resulting from this bid are to be made during the normal working hours of the County. Time is of the essence and the Contractor's delivery date must be specified and adhered to. Should the Contractor, to whom the order or contract is awarded, fail to deliver on or before the stated date, the County reserves the right to cancel the order or contract and make the purchase elsewhere and the Contractor will be required to compensate the County for the difference in price paid for the alternate product. The Contractor shall be responsible for making any and all claims against carriers for missing or damage items. Partial shipments will be acceptable unless otherwise stated.

**BID FORMS:** All bids must be submitted on the County's standard Bid Response Form. Bids on Bidder's quotation forms shall not be accepted.

**METHOD OF ORDERING:** The County shall issue Release Orders against the contract on an as needed basis for the supplies or services listed on the Bid Proposal Form.

The County reserves the right to reject all bids/proposals, make multiple awards (award to more than one vendor), make a partial award, to re-solicit and advertise for new bids/proposals, or to cancel the project in its entirety.

### Part 3

## Instructions for the preparation of Bids

The Bidder(s) warrants its response to this Invitation for Bid to be fully disclosed and correct. The firm must submit a bid complying with this Invitation for Bid, and the information, documents and material submitted in the bid must be complete and accurate in all material aspects. Bidders are advised to carefully follow the instructions listed below in order to be considered fully responsive to this Bid. Bidders are further advised that lengthy or overly verbose or redundant submissions are not necessary. **Please avoid the use of plastic three-ring or spiral bindings, laminated covers and inserts when preparing submittals. You need only to return required, signed documents and information pertinent to this specific project.** Compliance with all requirements will be solely the responsibility of the Bidder. Failure to provide requested information may result in disqualification of response.

The bid must be divided into the following three (3) sections:

#### 1. **REQUIRED SUBMITTALS:**

Bidder Information – Page #1 of Package

Summary of Litigation: Provide a summary of any litigation, claim(s), or contract dispute(s) filed by or against the Bidder in the past three (3) years which is related to the services that Bidder provides in the regular course of business. The summary shall state the nature of the litigation, claim or contract dispute, a brief description of the case, the outcome or projected outcome, and monetary amounts involved.

License Sanctions: Regulatory/license agency sanctions within the past 5 years.

Attachment A - Conflict of Interest Statement (Rev. 9/3/2014)

Attachment B - Compliance with the Public Records Law (Rev. 3/27/14)

Attachment C - Worker's Compensation Form (Rev. 3/22/12)

Attachment D - Taxpayer Identification No. and Certification W-9 Form (Rev. 12-2011)

Attachment E - Drug Free Work Place (Rev. 2/13/06)

Attachment F - Americans with Disabilities Act Affidavit (Rev. 6/15/01) (If applicable)

#### 2. **PAST PERFORMANCE:**

The Bidder shall include qualifications and past performance of the firm/individual(s) who will provide the delivery of the commodities. The submission must include:

- A. List five (5) references for which your company provided similar services related to those specified in the Scope of Services. List the names of the client (name, address, telephone number, fax numbers and the title of position that was filled by your company).

#### 3. **PRICE BID**

The Bid Proposal shall be submitted on the forms included herein. Prices not submitted on the attached forms shall render the Bid non-responsive.

**Part 4  
Price Submittal**

**IFB-603727-20/LNF  
Term Contract for Inventory Parts for Environmental Water and  
Wastewater Division**

Name of Bidder: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone Number: (\_\_\_\_) \_\_\_\_\_ FAX Number: (\_\_\_\_) \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Pursuant to and in compliance with the IFB Documents, the undersigned Bidder agrees to provide and furnish any and all of the labor, material, and tools, equipment, incidentals and transportation services necessary to complete all of the Work required in connection with the required services/commodities all in strict conformity Bid Documents for the amount hereinafter set forth.

The undersigned, as Bidder, declares that the only persons or parties interested in this bid as principals are those named herein; that this bid is made without collusion with any person, firm or corporation; and he proposes and agrees, if the bid is accepted, that he/she will execute an Agreement with the COUNTY in the form set forth in the Contract Documents; that he/she will furnish the Insurance Certificates.

Costs shall be inclusive of all direct and indirect costs including but not limited to, materials, labor, equipment, transportation, coordination and incidentals necessary for the performance of the work specified in Bid documents.

**All costs shall include packaging, transportation, FOB destination and all terms, conditions and specifications stated in this solicitation.**

- 1) Period of discount offered is from \_\_\_\_\_ through \_\_\_\_\_.
- 2) Title and Publish date (year) of the catalog from which pricing is obtained and discount is offered: \_\_\_\_\_.

The Contractor shall provide all labor and other resources necessary to provide the supplies and equipment in strict accordance with the IFB documents for the amounts specified in this Bid Response, inclusive of overhead, profit and any other costs.

**Part 4  
Price Submittal**

The following list includes examples of parts and components that the County may procure on an ongoing basis.

Contract is not limited to these parts. Contract is inclusive of other parts used as part of inventory to maintain in operation the Water and Sewer system in Seminole County.

**WATER PIPES VALVES AND FITTINGS:**

**IRON PIPES & FITTINGS:**

Ductile Iron 3" thru 48"	Discount off Catalog Price shall be _____ %
Restrained Gaskets for Push-on Pipe	Discount off Catalog Price shall be _____ %
Mechanical Joint, All Joints, All Style Fittings	Discount off Catalog Price shall be _____ %
Flanged Fittings, All Style	Discount off Catalog Price shall be _____ %
Gaskets	Discount off Catalog Price shall be _____ %
Threaded Fittings, All Style	Discount off Catalog Price shall be _____ %
Bolt and Gasket Kits	Discount off Catalog Price shall be _____ %
Flange Adapters	Discount off Catalog Price shall be _____ %
Restrainer Systems	Discount off Catalog Price shall be _____ %
Restrainer Kits	Discount off Catalog Price shall be _____ %
Service Saddles, All Type	Discount off Catalog Price shall be _____ %
Stainless Steel Repair Clamps	Discount off Catalog Price shall be _____ %
Valves, All Sizes, All Styles	Discount off Catalog Price shall be _____ %
Fire Hydrant Items, Repair Parts and Kits	Discount off Catalog Price shall be _____ %
Fire Hydrants	Discount off Catalog Price shall be _____ %

**GALVANIZED PIPE & FITTINGS:**

Galvanized Pipes, All Sizes, All Ratings	Discount off Catalog Price shall be _____ %
Galvanized Fittings, All Sizes, All Styles	Discount off Catalog Price shall be _____ %
Galvanized Couplings	Discount off Catalog Price shall be _____ %

**FORD BRASS PIPE AND FITTINGS:**

Brass Pipe, All Sizes, All Ratings	Discount off Catalog Price shall be _____ %
Brass Fittings, All Sizes, All Styles	Discount off Catalog Price shall be _____ %
Vacuum Breakers, All Sizes, All Styles	Discount off Catalog Price shall be _____ %
Valves, All Sizes, All Styles	Discount off Catalog Price shall be _____ %

**PVC PIPES & FITTINGS:**

PVC, ½ "thru 4"	Discount off Catalog Price shall be _____ %
PVC Fittings, All sizes, All styles	Discount off Catalog Price shall be _____ %
Plastic Pipe, All Sizes, All Ratings, All Style	Discount off Catalog Price shall be _____ %
PVC Restrainer Kits	Discount off Catalog Price shall be _____ %
HDPE (Poly) 1" thru 24", Pipe, Fittings	Discount off Catalog Price shall be _____ %

**ELECTRICAL: (General Electric, Siemens, Square D and Westinghouse)**

Relays, including Sockets and Holders	Discount off Catalog Price shall be _____ %
NEMA Motor Starters	Discount off Catalog Price shall be _____ %
Switches, All Styles, All Types	Discount off Catalog Price shall be _____ %
Motor Starters, Contacts, Repair Part Including Renewal Kits	Discount off Catalog Price shall be _____ %
Conduit, All Sizes, All Styles	Discount off Catalog Price shall be _____ %
Conduit Fittings	Discount off Catalog Price shall be _____ %

Wire	Discount off Catalog Price shall be _____ %
Fuses	Discount off Catalog Price shall be _____ %
Light fixtures	Discount off Catalog Price shall be _____ %
Light Bulbs	Discount off Catalog Price shall be _____ %
Miniature Bulbs	Discount off Catalog Price shall be _____ %
Indicating lights	Discount off Catalog Price shall be _____ %
Strut / Straps and Related Electrical Hardware	Discount off Catalog Price shall be _____ %
Terminals, Splice Kits & Misc. Connectors	Discount off Catalog Price shall be _____ %
Electrical tape and insulation	Discount off Catalog Price shall be _____ %

**SAFETY HARDWARE AND MISCELLANEOUS ITEMS:**

Flagging / caution tape	Discount off Catalog Price shall be _____ %
First aid kits and refills	Discount off Catalog Price shall be _____ %
Safety goggles and shields	Discount off Catalog Price shall be _____ %
Gloves	Discount off Catalog Price shall be _____ %
Ear plugs	Discount off Catalog Price shall be _____ %
Paints	Discount off Catalog Price shall be _____ %
Spray Lubricants	Discount off Catalog Price shall be _____ %
Teflon Dry Lubricate	Discount off Catalog Price shall be _____ %
Chain Lubricate	Discount off Catalog Price shall be _____ %
Odor control agents	Discount off Catalog Price shall be _____ %
Oil and Canned Lubricate	Discount off Catalog Price shall be _____ %



**SAFETY HARDWARE AND MISCELLANEOUS ITEMS: (Cont.)**

Nuts, Bolts & Washers, All Styles, All Types	Discount off Catalog Price shall be _____ %
Threaded Rod, All Styles, All Types	Discount off Catalog Price shall be _____ %
Glues and Adhesives	Discount off Catalog Price shall be _____ %
Tapes, All Styles, All Types	Discount off Catalog Price shall be _____ %
Fasteners	Discount off Catalog Price shall be _____ %
Cement, All Styles, All Types	Discount off Catalog Price shall be _____ %
Cleaner, All Styles, All Types	Discount off Catalog Price shall be _____ %
Pipe Sealant, All Types	Discount off Catalog Price shall be _____ %

**SPECIALTY ITEMS**

Pipe Restraints, All Styles, All Types	Discount off Catalog Price shall be _____ %
--	---



**ATTACHMENT B**  
**COMPLIANCE WITH THE PUBLIC RECORDS LAW**

Seminole County shall comply with the Public Records Law as provided by Chapter 119, Florida Statutes, and all applicable amendments. Applicants must invoke the exemptions to disclosure provided by law in the response to the solicitation and must identify the data or other materials to be protected by separate envelope, and must state the reasons why such exclusion from public disclosure is necessary. The submission of a response authorizes release of your firm's credit data to Seminole County.

If the company submits information exempt from public disclosure, the company must identify with specificity which pages/paragraphs of their submittal/proposal package are exempt from the Public Records Act, identifying the specific exemption section that applies to each. The protected information must be submitted to the County in a separate envelope marked "**EXEMPT FROM PUBLIC RECORDS LAW**". Failure to identify protected material via a separately marked envelopment will cause the County to release this information in accordance with the Public records Law despite any markings on individual pages of your submittal/proposal.

*(a) CONTRACTOR acknowledges COUNTY's obligations under Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes, to release public records to members of the public upon request. CONTRACTOR acknowledges that COUNTY is required to comply with Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes, in the handling of the materials created under this Agreement and that said statute controls over the terms of this Agreement.*

*(b) CONTRACTOR specifically acknowledges its obligations to comply with Section 119.0701, Florida Statutes, with regard to public records, and shall:*

*(1) keep and maintain public records that ordinarily and necessarily would be required by COUNTY in order to perform the services required under this Agreement;*

*(2) provide the public with access to public records on the same terms and conditions that COUNTY would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law;*

*(3) ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law; and;*

*(4) meet all requirements for retaining public records and transfer, at no cost to the COUNTY, all public records in possession of CONTRACTOR upon termination of this Agreement and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to COUNTY in a format that is compatible with the information technology system of COUNTY.*

*(c) Failure to comply with this Section shall be deemed a material breach of this Agreement for which COUNTY may terminate this Agreement immediately upon written notice to CONTRACTOR.*

By submitting a response to this solicitation, the company agrees to defend the County in the event we are forced to litigate the public records status of the company's documents.

Company Name: \_\_\_\_\_ Date: \_\_\_\_\_

Authorized representative (printed):

Authorized representative (signature):

\_\_\_\_\_

\_\_\_\_\_

Project Number: IFB-603727-20/LNF

**THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL**

Rev. 8/23/12

**ATTACHMENT C  
WORKER'S COMPENSATION FORM**

**WORKERS' COMPENSATION  
COMPLIANCE CERTIFICATION**

Chapter 440 of the Florida Statutes establishes a workers' compensation system designed to assure the quick and efficient delivery of disability and medical benefits to an injured worker and to facilitate the worker's return to gainful employment at a reasonable cost to the employer. It is the policy of Seminole County to do business only with those entities which are fully compliant with Chapter 440, including all reporting and premium payment requirements.

To meet this compliance requirement, the undersigned hereby certifies that

\_\_\_\_\_ (name of business entity)

has fully complied with all the requirements of Chapter 440, Florida Statutes, including provisions regarding reporting and premium payments; or

is exempt from the provisions of Chapter 440, Florida Statutes, for the following reason:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

STATE OF FLORIDA        )  
COUNTY OF SEMINOLE    )

I HEREBY CERTIFY that, on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared \_\_\_\_\_, as \_\_\_\_\_, of \_\_\_\_\_, a corporation duly authorized to conduct business in the State of Florida, who is personally known to me or who has produced \_\_\_\_\_ as identification. He/she acknowledged before me that the foregoing instrument was executed by such officer in the name and on behalf of the corporation, and that the official seal of the corporation has been affixed hereto.

[NOTARY SEAL]

\_\_\_\_\_  
Notary Public in and for the County  
and State Aforementioned

**ATTACHMENT D  
W-9 FORM**

**COUNTY FINANCE  
JDE NEW VENDOR REGISTRATION FORM**

DATE: \_\_\_\_\_

VENDOR NAME: \_\_\_\_\_

PHYSICAL ADDRESS: \_\_\_\_\_

\_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

\_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

TAX ID NUMBER: \_\_\_\_\_

COMPANY: Select one of the following:

- Consultant
- Rental
- Commodities Only
- Commodities/Services
- Non-Profit
- Water & Sewer Refund

---

**(FOR THE USE OF PURCHASING AND CONTRACTS DIVISION)**

SUBMITTED BY: \_\_\_\_\_

REQUEST FOR DEPARTMENT / DIVISION: \_\_\_\_\_

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**(FOR THE USE OF COUNTY FINANCE)**

VENDOR NUMBER: \_\_\_\_\_

ISSUED BY: \_\_\_\_\_

Form **W-9**  
 (Rev. January 2003)  
 Department of the Treasury  
 Internal Revenue Service

# Request for Taxpayer Identification Number and Certification

**Give form to the  
 requester. Do not  
 send to the IRS.**

<b>Print or type See Specific Instructions on page 2.</b>	Name	
	Business name, if different from above	
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Other ▶ .....	
	<input type="checkbox"/> Exempt from backup withholding	
	Address (number, street, and apt. or suite no.)	
City, state, and ZIP code		
Requester's name and address (optional)		
List account number(s) here (optional)		

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. For individuals, this is your social security number (SSN). **However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3.** For other entities, it is your employer identification number (EIN). If you do not have a number, see **How to get a TIN** on page 3.

Social security number								
or								
Employer identification number								

**Note:** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), **and**
2. I am not subject to backup withholding because: **(a)** I am exempt from backup withholding, or **(b)** I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or **(c)** the IRS has notified me that I am no longer subject to backup withholding, **and**
3. I am a U.S. person (including a U.S. resident alien).

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 4.)

**Sign Here**

Signature of U.S. person ▶

Date ▶

### Purpose of Form

A person who is required to file an information return with the IRS, must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

**U.S. person.** Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee.

**Note:** If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Foreign person.** If you are a foreign person, use the appropriate Form W-8 (see **Pub. 515**, Withholding of Tax on Nonresident Aliens and Foreign Entities).

### Nonresident alien who becomes a resident alien.

Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the recipient has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.



**Example.** Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a **nonresident alien or a foreign entity** not subject to backup withholding, give the requester the appropriate completed Form W-8.

**What is backup withholding?** Persons making certain payments to you must under certain conditions withhold and pay to the IRS 30% of such payments (29% after December 31, 2003; 28% after December 31, 2005). This is called "backup withholding." Payments that may be subject to backup withholding include interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will **not** be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

**Payments you receive will be subject to backup withholding if:**

1. You do not furnish your TIN to the requester, or
2. You do not certify your TIN when required (see the Part II instructions on page 4 for details), or
3. The IRS tells the requester that you furnished an incorrect TIN, or
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate **Instructions for the Requester of Form W-9**.

## Penalties

**Failure to furnish TIN.** If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

**Civil penalty for false information with respect to withholding.** If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

**Criminal penalty for falsifying information.** Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

**Misuse of TINs.** If the requester discloses or uses TINs in violation of Federal law, the requester may be subject to civil and criminal penalties.

## Specific Instructions

### Name

If you are an individual, you must generally enter the name shown on your social security card. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

**Sole proprietor.** Enter your **individual** name as shown on your social security card on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name" line.

**Limited liability company (LLC).** If you are a single-member LLC (including a foreign LLC with a domestic owner) that is disregarded as an entity separate from its owner under Treasury regulations section 301.7701-3, **enter the owner's name on the "Name" line.** Enter the LLC's name on the "Business name" line.

**Other entities.** Enter your business name as shown on required Federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name" line.

**Note:** *You are requested to check the appropriate box for your status (individual/sole proprietor, corporation, etc.).*

### Exempt From Backup Withholding

If you are exempt, enter your name as described above and check the appropriate box for your status, then check the "Exempt from backup withholding" box in the line following the business name, sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

**Note:** *If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.*

**Exempt payees.** Backup withholding is **not required** on any payments made to the following payees:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2);
2. The United States or any of its agencies or instrumentalities;
3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities;
4. A foreign government or any of its political subdivisions, agencies, or instrumentalities; or
5. An international organization or any of its agencies or instrumentalities.

Other payees that **may be exempt** from backup withholding include:

6. A corporation;
7. A foreign central bank of issue;
8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States;

9. A futures commission merchant registered with the Commodity Futures Trading Commission;
10. A real estate investment trust;
11. An entity registered at all times during the tax year under the Investment Company Act of 1940;
12. A common trust fund operated by a bank under section 584(a);
13. A financial institution;
14. A middleman known in the investment community as a nominee or custodian; or
15. A trust exempt from tax under section 664 or described in section 4947.

The chart below shows types of payments that may be exempt from backup withholding. The chart applies to the exempt recipients listed above, 1 through 15.

If the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt recipients except for 9
Broker transactions	Exempt recipients 1 through 13. Also, a person registered under the Investment Advisers Act of 1940 who regularly acts as a broker
Barter exchange transactions and patronage dividends	Exempt recipients 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 <sup>1</sup>	Generally, exempt recipients 1 through 7 <sup>2</sup>

<sup>1</sup> See Form 1099-MISC, Miscellaneous Income, and its instructions.

<sup>2</sup> However, the following payments made to a corporation (including gross proceeds paid to an attorney under section 6045(f), even if the attorney is a corporation) and reportable on Form 1099-MISC are **not exempt** from backup withholding: medical and health care payments, attorneys' fees; and payments for services paid by a Federal executive agency.

## Part I. Taxpayer Identification Number (TIN)

**Enter your TIN in the appropriate box.** If you are a **resident alien** and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see **How to get a TIN** below.

If you are a **sole proprietor** and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-owner **LLC** that is disregarded as an entity separate from its owner (see **Limited liability company (LLC)** on page 2), enter your SSN (or EIN, if you have one). If the LLC is a corporation, partnership, etc., enter the entity's EIN.

**Note:** See the chart on page 4 for further clarification of name and TIN combinations.

**How to get a TIN.** If you do not have a TIN, apply for one immediately. To apply for an SSN, get **Form SS-5**, Application for a Social Security Card, from your local Social Security Administration office or get this form on-line at [www.ssa.gov/online/ss5.html](http://www.ssa.gov/online/ss5.html). You may also get this form by calling 1-800-772-1213. Use **Form W-7**, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or **Form SS-4**, Application for Employer Identification Number, to apply for an EIN. You can get Forms W-7 and SS-4 from the IRS by calling 1-800-TAX-FORM (1-800-829-3676) or from the IRS Web Site at [www.irs.gov](http://www.irs.gov).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

**Note:** Writing "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

**Caution:** A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

Form W-9 (Rev. 1-2003)

**Part II. Certification**

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 3, and 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). Exempt recipients, see **Exempt from backup withholding** on page 2.

**Signature requirements.** Complete the certification as indicated in 1 through 5 below.

**1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.** You must give your correct TIN, but you do not have to sign the certification.

**2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.** You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

**3. Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.

**4. Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

**5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA or Archer MSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.

**What Name and Number To Give the Requester**

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account <sup>1</sup>
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor <sup>2</sup>
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee <sup>1</sup>
b. So-called trust account that is not a legal or valid trust under state law	The actual owner <sup>1</sup>
5. Sole proprietorship or single-owner LLC	The owner <sup>3</sup>
For this type of account:	Give name and EIN of:
6. Sole proprietorship or single-owner LLC	The owner <sup>3</sup>
7. A valid trust, estate, or pension trust	Legal entity <sup>4</sup>
8. Corporate or LLC electing corporate status on Form 8832	The corporation
9. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
10. Partnership or multi-member LLC	The partnership
11. A broker or registered nominee	The broker or nominee
12. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity

<sup>1</sup> List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

<sup>2</sup> Circle the minor's name and furnish the minor's SSN.

<sup>3</sup> **You must show your individual name**, but you may also enter your business or "DBA" name. You may use either your SSN or EIN (if you have one).

<sup>4</sup> List first and circle the name of the legal trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.)

**Note:** *If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.*

**Privacy Act Notice**

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons who must file information returns with the IRS to report interest, dividends, and certain other income paid to you, mortgage interest you paid, the acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA or Archer MSA. The IRS uses the numbers for identification purposes and to help verify the accuracy of your tax return. The IRS may also provide this information to the Department of Justice for civil and criminal litigation, and to cities, states, and the District of Columbia to carry out their tax laws. We may also disclose this information to other countries under a tax treaty, or to Federal and state agencies to enforce Federal nontax criminal laws and to combat terrorism.

You must provide your TIN whether or not you are required to file a tax return. Payers must generally withhold 30% of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to a payer. Certain penalties may also apply.



**ATTACHMENT E**  
**DRUG-FREE WORKPLACE FORM**

The undersigned vendor in accordance with Florida statute 287.087 hereby certifies that

\_\_\_\_\_ does:  
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are proposed a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will propose by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

\_\_\_\_\_  
Bidder's Signature

\_\_\_\_\_  
Firm

\_\_\_\_\_  
Date

Rev. 2/13/06



**ATTACHMENT G  
DRAFT AGREEMENT**

(All Exhibits will be incorporated prior to contract execution based on the successful Bidder)

**TERM CONTRACT FOR PURCHASE OF INVENTORY PARTS FOR  
ENVIRONMENTAL SERVICES WATER AND WASTEWATER DIVISION  
(IFB-603727-20/LNF)**

**THIS AGREEMENT** is dated as of the \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by and between \_\_\_\_\_, duly authorized to conduct business in the State of Florida, whose address is \_\_\_\_\_, in this Agreement referred to as “CONTRACTOR,” and **SEMINOLE COUNTY**, a charter county and political subdivision of the State of Florida, whose address is Seminole County Services Building, 1101 East 1st Street, Sanford, Florida 32771, in this Agreement referred to as “COUNTY”.

**W I T N E S S E T H:**

**WHEREAS**, COUNTY desires to retain a competent and qualified contractor to purchase Inventory Parts at a volume discount for COUNTY’s Environmental Services Water and Wastewater Division; Seminole County; and

**WHEREAS**, COUNTY has requested and received expressions of interest for the retention of contractors to provide materials to COUNTY; and

**WHEREAS**, CONTRACTOR is competent, qualified, and desires to provide materials according to the terms and conditions stated in this Agreement,

**NOW, THEREFORE**, in consideration of the mutual understandings and covenants set forth in this Agreement, COUNTY and CONTRACTOR agree as follows:

**Section 1. Materials.** COUNTY hereby retains CONTRACTOR to provide materials as further described in the Scope of Services attached as Exhibit A and made a part of this Agreement. CONTRACTOR is also bound by all requirements as contained in the solicitation package, all addenda to this package, and CONTRACTOR’s submission in response to this

solicitation. Required materials will be specifically enumerated, described, and depicted in the Release Orders authorizing purchase of specific materials. This Agreement standing alone does not authorize the purchase of materials or require COUNTY to place any orders for work.

**Section 2. Term.** This Agreement takes effect on the date of its execution by COUNTY and continues for a period of three (3) years. At the sole option of COUNTY, this Agreement may be renewed for two (2) successive periods not to exceed one (1) year each. Expiration of the term of this Agreement will have no effect upon Release Orders issued pursuant to this Agreement and prior to the expiration date. Obligations by both parties under such Release Orders will remain in effect until delivery and acceptance of the materials authorized by the respective Release Order. The first three (3) months of the initial term are considered probationary. During the probationary period, COUNTY may immediately terminate this Agreement at any time, with or without cause, upon written notice to CONTRACTOR.

**Section 3. Authorization for Materials.** Authorization for provision of materials by CONTRACTOR under this Agreement must be in the form of written Release Orders issued and executed by COUNTY. A sample Release Order is attached as Exhibit B. Each Release Order will describe the materials required, state the dates for delivery of materials, and establish the amount and method of payment. The Release Orders must be issued under and incorporate the terms of this Agreement. COUNTY makes no covenant or promise as to the number of available Release Orders or that CONTRACTOR will perform any Release Order for COUNTY during the life of this Agreement. COUNTY reserves the right to contract with other parties for the materials contemplated by this Agreement when it is determined by COUNTY to be in the best interest of COUNTY to do so.



**Section 4. Time for Completion.** The materials to be provided by CONTRACTOR must be delivered, as specified in such Release Orders as may be issued under this Agreement, within the time specified in the Release Order.

**Section 5. Compensation.** COUNTY shall compensate CONTRACTOR for the materials provided for under this Agreement on a Fixed Fee basis. When a Release Order is issued on a Fixed Fee basis, then the applicable Release Order Fixed Fee amount will include any and all reimbursable expenses and will be based on the unit pricing attached to this Agreement, or as reduced in the quoting process leading to specific Release Orders.

**Section 6. Payment and Billing.**

(a) CONTRACTOR shall supply all materials required by the Release Order; but in no event will CONTRACTOR be paid more than the negotiated Fixed Fee amount stated within each Release Order.

(b) For Release Orders issued on a Fixed Fee basis, CONTRACTOR may invoice the amount due based on the percentage of total Release Order materials actually provided, but in no event may the invoice amount exceed a percentage of the Fixed Fee amount equal to a percentage of the total materials actually provided.

(c) COUNTY shall make payments to CONTRACTOR when requested as materials are provided, but not more than once monthly. Each Release Order will be invoiced separately. At the close of each calendar month, CONTRACTOR shall render to COUNTY an itemized invoice, properly dated, describing any materials provided, the cost of the materials provided, the name and address of CONTRACTOR, Release Order Number, Contract Number, and any other information required by this Agreement.

- (d) The original invoice must be sent to:

Director of County Comptroller's Office  
Seminole County Board of County Commissioners  
Post Office Box 8080  
Sanford, Florida 32772

A copy of the invoice must be sent to:

Environmental Services Water and Wastewater Division  
500 West Lake Mary Boulevard  
Sanford, Florida 32773

- (e) Upon review and approval of CONTRACTOR's invoice, COUNTY shall pay CONTRACTOR the approved amount in accordance with the terms as set forth in Chapter 218, Part VII, Florida Statutes.

**Section 7. General Terms of Payment and Billing.**

(a) Upon satisfactory delivery of materials required under this Agreement and upon acceptance of the materials by COUNTY, CONTRACTOR may invoice COUNTY for the full amount of compensation provided for under the terms of this Agreement less any amount already paid by COUNTY. Upon review and approval of CONTRACTOR's invoice, COUNTY shall pay CONTRACTOR the approved amount in accordance with the terms as set forth in Chapter 218, Part VII, Florida Statutes.

(b) COUNTY may perform or have performed an audit of the records of CONTRACTOR at any time during the term of this Agreement and after final payment to support final payment under this Agreement. Audits may be performed at a time mutually agreeable to CONTRACTOR and COUNTY. Total compensation to CONTRACTOR may be determined subsequent to an audit as provided for in this Section and the total compensation so determined will be used to calculate final payment to CONTRACTOR. Performance of this audit will not delay final payment as provided by subsection (a) of this Section.

**NOT FOR EXECUTION**

(c) CONTRACTOR shall maintain all books, documents, papers, accounting records, and other evidence pertaining to materials provided under this Agreement in such a manner as will readily conform to the terms of this Agreement. CONTRACTOR shall make such materials available at CONTRACTOR's office at all reasonable times during the term of this Agreement and for five (5) years from the date of final payment under the contract for audit or inspection as provided for in subsection (b) of this Section.

(d) In the event any audit or inspection conducted after final payment but within the period provided in paragraph (c) of this Section reveals any overpayment by COUNTY under the terms of the Agreement, CONTRACTOR shall refund such overpayment to COUNTY within thirty (30) days of notice by COUNTY.

**Section 8. No Waiver by Forbearance.** COUNTY's review of, approval and acceptance of, or payment for the materials or services required under this Agreement does not operate as a waiver of any rights under this Agreement, or of any cause of action arising out of the performance of this Agreement. CONTRACTOR is and will always remain liable to COUNTY in accordance with applicable law for any and all damages to COUNTY caused by CONTRACTOR's negligent or wrongful provision of any of the materials or services provided under this Agreement.

**Section 9. Termination.**

(a) By written notice to CONTRACTOR, COUNTY may terminate this Agreement or any Release Order issued under this Agreement, in whole or in part, at any time, either for COUNTY's convenience or because of the failure of CONTRACTOR to fulfill its obligations under this Agreement. Upon receipt of such notice, CONTRACTOR shall immediately discontinue all services and materials affected, unless the notice directs otherwise, and deliver to COUNTY all data, drawings, specifications, reports, estimates, summaries, and any and all such

**NOT FOR EXECUTION**

other information and materials of whatever type or nature as may have been accumulated by CONTRACTOR in performing this Agreement, whether completed or in process.

(b) If the termination is for the convenience of COUNTY, CONTRACTOR will be paid compensation for services performed and materials provided to the date of termination.

(c) If the termination is due to the failure of CONTRACTOR to fulfill its obligations under this Agreement, COUNTY may take over the work and carry it to completion by other agreements or otherwise. In such case, CONTRACTOR will be liable to COUNTY for all reasonable additional costs associated with CONTRACTOR's failure to fulfill its obligations under this Agreement.

(d) CONTRACTOR will not be liable for such additional costs if the failure to perform the Agreement arises without any fault or negligence of CONTRACTOR, but CONTRACTOR will be responsible and liable for the actions by its subcontractors, agents, employees, persons, and entities of a similar type or nature. Matters beyond the fault or negligence of CONTRACTOR include acts of God or of the public enemy, acts of COUNTY in its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather, but in every case the failure to perform must be beyond the control and without any fault or negligence of CONTRACTOR.

(e) If after notice of termination for CONTRACTOR's failure to fulfill its obligations under this Agreement it is determined that CONTRACTOR had not so failed, the termination will be conclusively deemed to have been effected for the convenience of COUNTY. In such event, adjustment in the Agreement price will be made as provided in subsection (b) of this Section.

**NOT FOR EXECUTION**

(f) The rights and remedies of COUNTY provided for in this Section are in addition and supplemental to any and all other rights and remedies provided by law or under this Agreement.

**Section 10. Agreement and Release Order in Conflict.** Wherever the terms of this Agreement conflict with any Release Order issued pursuant to it, this Agreement will prevail.

**Section 11. Equal Opportunity Employment.** CONTRACTOR shall not discriminate against any employee or applicant for employment for work under this Agreement because of race, color, religion, sex, age, disability, or national origin. CONTRACTOR shall take steps to ensure that applicants are employed and employees are treated during employment without regard to race, color, religion, sex, age, disability, or national origin. This provision includes, but is not limited to the following: employment, upgrading, demotion or transfer, recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship.

**Section 12. No Contingent Fees.** CONTRACTOR warrants that it has not employed or retained any company or person other than a bona fide employee working solely for CONTRACTOR to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for CONTRACTOR, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from award or making of this Agreement. For the breach or violation of this provision, COUNTY will have the right to terminate the Agreement at its sole discretion without liability and to deduct from the Agreement price or otherwise recover the full amount of such fee, commission, percentage, gift, or consideration.

**Section 13. Conflict of Interest.**

(a) CONTRACTOR shall not engage in any action that would create a conflict of interest in the performance of its obligations pursuant to this Agreement with COUNTY or violate or cause others to violate the provisions of Chapter 112, Part III, Florida Statutes, relating to ethics in government.

(b) CONTRACTOR hereby certifies that no officer, agent, or employee of COUNTY has any material interest (as defined in Section 112.312(15), Florida Statutes, as over 5%), either directly or indirectly, in the business of CONTRACTOR to be conducted under this Agreement and that no such person will have any such interest at any time during the term of this Agreement.

**Section 14. Assignment.** Neither this Agreement nor any interest in it may be assigned, transferred, or otherwise encumbered under any circumstances by either party without prior written consent of the other party and in such cases only by a document of equal dignity with this Agreement.

**Section 15. Indemnification of COUNTY.** To the fullest extent permitted by law, CONTRACTOR shall hold harmless, release, and indemnify COUNTY, its commissioners, officers, employees, and agents from any and all claims, losses, damages, costs, attorney fees, and lawsuits for damages arising from, allegedly arising from, or related to CONTRACTOR's provision of materials or services under this Agreement caused by CONTRACTOR's act or omission in the performance of this Agreement.

**Section 16. Insurance.**

(a) General. CONTRACTOR shall procure and maintain insurance required under this Section at CONTRACTOR's own cost.

**NOT FOR EXECUTION**

(1) CONTRACTOR shall provide COUNTY with a Certificate of Insurance on a current ACORD Form signed by an authorized representative of the insurer evidencing the insurance required by this Section (Professional Liability, Workers' Compensation/Employer's Liability, Commercial General Liability, and Business Auto). **The Certificate must have the Agreement number for this Agreement clearly marked on its face.** COUNTY, its officials, officers, and employees must be named additional insureds under the Commercial General Liability, Umbrella Liability and Business Auto policies. If the policy provides for a blanket additional insured coverage, CONTRACTOR shall provide a copy of the section of the policy along with the Certificate of Insurance. If the coverage does not exist, the policy must be endorsed to include the named additional insureds as described in this subsection. The Certificate of Insurance must provide that COUNTY will be provided, by policy endorsement, not less than thirty (30) days written notice prior to the cancellation or non-renewal, or by a method acceptable to COUNTY. Until such time as the insurance is no longer required to be maintained by CONTRACTOR, CONTRACTOR shall provide COUNTY with a renewal or replacement Certificate of Insurance before expiration or replacement of the insurance for which a previous Certificate of Insurance has been provided.

(2) In addition to providing the Certificate of Insurance on a current ACORD Form, upon request as required by COUNTY, CONTRACTOR shall provide COUNTY with a certified copy of each of the policies of insurance providing the coverage required by this Section within thirty (30) days after receipt of the request. Certified copies of policies may only be provided by the insurer, not the agent or broker.

**NOT FOR EXECUTION**

(3) Neither approval by COUNTY nor failure to disapprove the insurance provided by CONTRACTOR will relieve CONTRACTOR of its full responsibility for performance of any obligation, including its indemnification of COUNTY, under this Agreement.

(b) Insurance Company Requirements. Insurance companies providing the insurance under this Agreement must meet the following requirements:

(1) Companies issuing policies must be authorized to conduct business in the State of Florida and prove such authorization by maintaining Certificates of Authority or Letters of Eligibility issued to the companies by the Florida Office of Insurance Regulation. Alternatively, policies required by this Agreement for Workers' Compensation/Employers' Liability, may be those authorized as a group self-insurer by Section 624.4621, Florida Statutes.

(2) In addition, such companies must have and maintain, at a minimum, a Best's Rating of "A-" and a minimum Financial Size Category of "VII" according to A.M. Best Company.

(3) If, during the period that an insurance company is providing the insurance coverage required by this Agreement, an insurance company (i) loses its Certificate of Authority, or (ii) fails to maintain the requisite Best's Rating and Financial Size Category, the CONTRACTOR shall immediately notify COUNTY as soon as CONTRACTOR has knowledge of any such circumstance and immediately replace the insurance coverage provided by the insurance company with a different insurance company meeting the requirements of this Agreement. Until such time as CONTRACTOR has replaced the unacceptable insurer with an insurer acceptable to COUNTY, CONTRACTOR will be deemed to be in default of this Agreement.

(c) Specifications. Without limiting any of the other obligations or liability of CONTRACTOR, CONTRACTOR shall procure, maintain, and keep in force amounts and types



**NOT FOR EXECUTION**

of insurance conforming to the minimum requirements set forth in this subsection, at CONTRACTOR's sole expense. Except as otherwise specified in this Agreement, the insurance will become effective upon execution of this Agreement by CONTRACTOR and must be maintained in force until the expiration of this Agreement's term or the expiration of all Orders issued under this Agreement, whichever comes last. Failure by CONTRACTOR to maintain this required insurance coverage within the stated period will constitute a material breach of this Agreement, for which COUNTY may immediately terminate this Agreement. The amounts and types of insurance must conform to the following minimum requirements:

(1) Workers' Compensation/Employer's Liability.

(A) CONTRACTOR's insurance must cover it for liability that would be covered by the latest edition of the standard Workers' Compensation policy as filed for use in Florida by the National Council on Compensation Insurance without restrictive endorsements. CONTRACTOR is also responsible for procuring proper proof of coverage from its subcontractors of every tier for liability that is a result of a Workers' Compensation injury to the subcontractor's employees. The minimum required limits to be provided by both CONTRACTOR and its subcontractors are outlined in subsection (C) below. In addition to coverage for the Florida Workers' Compensation Act, where appropriate, coverage must be included for the United States Longshoremen and Harbor Workers' Compensation Act, Federal Employees' Liability Act, and any other applicable Federal or State law.

(B) Subject to the restrictions of coverage found in the standard Workers' Compensation policy, there will be no maximum limit on the amount of coverage for liability imposed by the Florida Workers' Compensation Act, the United States Longshoremen's

**NOT FOR EXECUTION**

and Harbor Workers' Compensation Act, or any other coverage customarily insured under Part One of the standard Workers' Compensation policy.

(C) The minimum amount of coverage under Part Two of the standard Workers' Compensation policy is required to be the following:

\$500,000.00	(Each Accident)
\$500,000.00	(Disease-Policy Limit)
\$500,000.00	(Disease-Each Employee)

(2) Commercial General Liability.

(A) CONTRACTOR's insurance must cover it for those sources of liability that would be covered by the latest edition of the standard Commercial General Liability Coverage Form (ISO Form CG 00 01), as filed for use in the State of Florida by the Insurance Services Office. Coverage must not contain any endorsements excluding or limiting Products/Completed Operations, Contractual Liability, or Separation of Insureds.

(B) CONTRACTOR shall maintain these minimum insurance limits:

General Aggregate	Two Times (2x) the Each Occurrence Limit
Personal & Advertising Injury Limit	\$1,000,000.00
Each Occurrence Limit	\$1,000,000.00
Pollution Liability	\$1,000,000.00

(3) Business Auto Policy.

(A) CONTRACTOR's insurance must cover CONTRACTOR for those sources of liability which would be covered by Section II of the latest edition of the standard Business Auto Policy (ISO Form CA 00 01), as filed for use in the State of Florida by the Insurance Services Office. Coverage must include owned, non-owned, and hired autos or any auto used by CONTRACTOR. In the event CONTRACTOR does not own automobiles, CONTRACTOR shall maintain coverage for hired and non-owned auto liability for autos used by

NOT FOR EXECUTION

CONTRACTOR, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy. If the contract involves operations governed by Sections 29 or 30 of the Motor Carrier Act of 1980, endorsement MCS-90 is required.

(B) The minimum limits to be maintained by CONTRACTOR must be per-accident combined single limit for bodily injury liability and property damage liability.

(C) The minimum amount of coverage under the Business Auto Policy is required to be the following:

Combined Single Limit	\$1,000,000.00
-----------------------	----------------

(d) Coverage. The insurance provided by CONTRACTOR pursuant to this Agreement must apply on a primary and non-contributory basis, and any other insurance or self-insurance maintained by COUNTY or COUNTY's officials, officers, or employees must be in excess of and not contributing to the insurance provided by or on behalf of CONTRACTOR.

(e) Occurrence Basis. The Workers' Compensation policy, the Commercial General Liability, and the Umbrella policy required by this Agreement must be provided on an occurrence rather than a claims-made basis. The Professional Liability insurance policy may be on an occurrence basis or claims-made basis. If a claims-made basis, the coverage must respond to all claims reported within three (3) years following the period for which coverage is required and which would have been covered had the coverage been on an occurrence basis.

(f) Obligations. Compliance with the foregoing insurance requirements will not relieve CONTRACTOR, its employees, or its agents of liability from any obligation under this Section or any other Section of this Agreement.

**NOT FOR EXECUTION****Section 17. Dispute Resolution.**

(a) In the event of a dispute related to any performance or payment obligation arising under this Agreement, the parties shall exhaust COUNTY administrative dispute resolution procedures prior to filing a lawsuit or otherwise pursuing legal remedies. COUNTY administrative dispute resolution procedures for proper invoice and payment disputes are set forth in Section 22.15, "Prompt Payment Procedures," Seminole County Administrative Code. COUNTY administrative dispute resolution procedures for contract claims related to this Agreement, other than for proper invoice and payment disputes, are set forth in Section 3.5540, "Contract Claims," Seminole County Administrative Code.

(b) In any lawsuit or legal proceeding arising under this Agreement, CONTRACTOR hereby waives any claim or defense based on facts or evidentiary materials that were not presented for consideration in COUNTY administrative dispute resolution procedures set forth in subsection (a) above of which CONTRACTOR had knowledge and failed to present during COUNTY administrative dispute resolution procedures.

(c) In the event that COUNTY administrative dispute resolution procedures are exhausted and a lawsuit or legal proceeding is filed, the parties shall exercise best efforts to resolve disputes through voluntary mediation and to select a mutually acceptable mediator. The parties participating in the voluntary mediation shall share the costs of mediation equally.

**Section 18. Representatives of COUNTY and CONTRACTOR.**

(a) It is recognized that questions in the day to day conduct of performance pursuant to this Agreement may arise. Upon request by CONTRACTOR, COUNTY shall designate and advise CONTRACTOR in writing of one or more of its employees to whom to address all communications pertaining to the day-to-day conduct of this Agreement. The designated

**NOT FOR EXECUTION**

representative will have the authority to transmit instructions, receive information, and interpret and define COUNTY's policy and decisions pertinent to the work covered by this Agreement.

(b) At all times during the normal work week, CONTRACTOR shall designate or appoint one or more representatives who are authorized to act on behalf of CONTRACTOR and bind CONTRACTOR regarding all matters involving the conduct of the performance pursuant to this Agreement, and who will keep COUNTY continually and effectively advised of such designation.

**Section 19. All Prior Agreements Superseded.** This Agreement incorporates and includes all prior negotiations, correspondence, conversations, agreements, or understandings applicable to the matters contained in this Agreement and the parties agree that there are no commitments, agreements, or understandings concerning the subject matter of this Agreement that are not contained or referred to in this document. Accordingly, it is agreed that no deviation from the terms of this Agreement may be predicated upon any prior representations or agreements, whether oral or written.

**Section 20. Modifications, Amendments, or Alterations.** No modification, amendment, or alteration in the terms or conditions contained in this Agreement will be effective unless contained in a written amendment executed with the same formality and of equal dignity with this Agreement.

**Section 21. Independent Contractor.** Nothing in this Agreement is intended or may be construed as in any manner creating or establishing a relationship of co-partners between the parties, or as constituting CONTRACTOR (including its officers, employees, and agents) as an agent, representative, or employee of COUNTY for any purpose or in any manner whatsoever.

**NOT FOR EXECUTION**

CONTRACTOR is and will remain forever an independent contractor with respect to all services performed under this Agreement.

**Section 22. Employee Status.** Persons employed by CONTRACTOR in the performance of services and functions pursuant to this Agreement have no claim to pension, workers' compensation, unemployment compensation, civil service, or other employee rights or privileges granted to COUNTY's officers and employees, either by operation of law or by COUNTY.

**Section 23. Services Not Provided For.** No claim for services or materials provided by CONTRACTOR not specifically provided for in this Agreement will be honored by COUNTY.

**Section 24. Public Records Law.**

(a) CONTRACTOR acknowledges COUNTY's obligations under Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes, to release public records to members of the public upon request. CONTRACTOR acknowledges that COUNTY is required to comply with Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes, in the handling of the materials created under this Agreement and this statute controls over the terms of this Agreement. Upon COUNTY's request, CONTRACTOR shall provide COUNTY with all requested public records in CONTRACTOR's possession, or shall allow COUNTY to inspect or copy the requested records within a reasonable time and at a cost that does not exceed costs as provided under Chapter 119, Florida Statutes.

(b) CONTRACTOR specifically acknowledges its obligations to comply with Section 119.0701, Florida Statutes, with regard to public records and shall perform the following:

**NOT FOR EXECUTION**

(1) Contractor shall keep and maintain public records that ordinarily and necessarily would be required by COUNTY in order to perform the services or provide the materials required under this Agreement,

(2) Contractor shall provide the public with access to public records on the same terms and conditions that COUNTY would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

(3) Contractor shall ensure public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law.

(c) Upon termination of this Agreement, CONTRACTOR shall transfer, at no cost to COUNTY, all public records in possession of CONTRACTOR, or keep and maintain public records required by COUNTY under this Agreement. If CONTRACTOR transfers all public records to COUNTY upon completion of this Agreement, CONTRACTOR shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If CONTRACTOR keeps and maintains the public records upon completion of this Agreement, CONTRACTOR shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to COUNTY, upon request of COUNTY, in a format that is compatible with the information technology systems of COUNTY.

(d) Failure to comply with this Section will be deemed a material breach of this Agreement for which COUNTY may terminate this Agreement immediately upon written notice to CONTRACTOR. CONTRACTOR may also be subject to statutory penalties as set forth in Section 119.10, Florida Statutes.

**(e) IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO**

**CONTRACTOR's DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTRACTOR MAY CONTACT THE CUSTODIAN OF PUBLIC RECORDS, THE SEMINOLE COUNTY PURCHASING AND CONTRACTS MANAGER, AT 407-665-7116, PURCH@SEMINOLECOUNTYFL.GOV, PURCHASING AND CONTRACTS DIVISION, 1301 EAST SECOND STREET, SANFORD, FL 32771.**

**Section 25. Governing Law, Jurisdiction, and Venue.** The laws of the State of Florida govern the validity, enforcement, and interpretation of this Agreement. The sole jurisdiction and venue for any legal action in connection with this Agreement will be in the courts of Seminole County, Florida.

**Section 26. Compliance with Laws and Regulations.** In providing all services and materials pursuant to this Agreement, CONTRACTOR shall abide by all statutes, ordinances, rules, and regulations pertaining to or regulating the provision of such services and materials, including those now in effect and subsequently adopted. Any violation of these statutes, ordinances, rules, or regulations will constitute a material breach of this Agreement and will entitle COUNTY to terminate this Agreement immediately upon delivery of written notice of termination to CONTRACTOR.

**Section 27. Patents and Royalties.** Unless otherwise provided, CONTRACTOR is solely responsible for obtaining the right to use any patented or copyrighted materials in the performance of this Agreement. CONTRACTOR, without exception, shall indemnify and save harmless COUNTY and its employees from liability of any nature or kind, including costs and



expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or supplied by CONTRACTOR. In the event of any claim against COUNTY of copyright or patent infringement, COUNTY shall promptly provide written notification to CONTRACTOR. If such a claim is made, CONTRACTOR shall use its best efforts to promptly purchase for COUNTY any infringing products or services or procure a license at no cost to COUNTY that will allow continued use of the service or product. If none of the alternatives are reasonably available, COUNTY shall return the article on request to CONTRACTOR and receive reimbursement, if any, as may be determined by a court of competent jurisdiction.

**Section 28. Notices.** Whenever either party desires to give notice to the other, it must be given by written notice, sent by registered or certified United States mail, return receipt requested, addressed to the party for whom it is intended at the place last specified. The place for giving of notice will remain such until it has been changed by written notice in compliance with the provisions of this Section. For the present, the parties designate the following as the respective places for giving of notice:

**For COUNTY:**

Environmental Services Water and Wastewater Division  
500 West Lake Mary Boulevard  
Sanford, Florida 32773

**For CONTRACTOR:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Section 29. Rights At Law Retained.** The rights and remedies of COUNTY provided for under this Agreement are in addition and supplemental to any other rights and remedies provided by law.

**NOT FOR EXECUTION**

**Section 30. Headings and Captions.** All headings and captions contained in this Agreement are provided for convenience only, do not constitute a part of this Agreement, and may not be used to define, describe, interpret or construe any provision of this Agreement.

**IN WITNESS WHEREOF**, the parties have made and executed this Agreement for the purposes stated above.

ATTEST:

\_\_\_\_\_  
Witness

\_\_\_\_\_

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

*[Balance of this page intentionally blank; signature page continues on Page 21.]*

NOT FOR EXECUTION

SEMINOLE COUNTY, FLORIDA

\_\_\_\_\_  
Witness

By: \_\_\_\_\_  
BETSY COHEN, Purchasing and  
Contracts Manager

\_\_\_\_\_  
Print Name

Date: \_\_\_\_\_

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Print Name

For the use and reliance of  
Seminole County only.

As authorized for execution by the Board of  
County Commissioners at its \_\_\_\_\_,  
2020, regular meeting.

Approved as to form and  
legal sufficiency.

\_\_\_\_\_  
County Attorney

DGS/dre  
2/4/20

Attachments:

- Exhibit A - Scope of Services
- Exhibit B - Sample Release Order

T:\Users\Legal Secretary CSB\Purchasing 2020\IFB-603727.docx

### Scope of Services

Environmental Services Department / Water and Wastewater Division routinely purchases inventory parts on a high volume basis. The County is interested in entering into agreements with three to five firms to purchase these parts and miscellaneous appurtenances at a volume discount. Vendors will offer a firm discount from published catalog price for miscellaneous inventory parts and materials. This discount shall include shipping and handling charges. All items should be ordered on an as needed basis and there is no guaranteed annual volume.

# Price List

Water Safety, Flow Control & Backflow Prevention Products



Effective May 9, 2022

All prices supersede previous issues, are temporary and subject to change without notice.

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**T**hroughout this book you will see products highlighted with **LEAD FREE\***. These are Watts products that comply with Lead Free laws in California, VT, MD, and LA. as well as the 2014 Federal “Reduction of Lead in Drinking Water Act” requirements. For more information on our Lead Free products, please visit our Lead Free informational web site at [WeAreLeadFree.net](http://WeAreLeadFree.net).

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

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**For the latest Watts pricing information in electronic format, visit our Data Exchange at:**

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- Easy access to list price data for business systems
- Sign up for e-mail alerts when data is updated
- Access other Watts Water Technologies brands pricing data



## Terms and Conditions

Terms and Conditions

**FREIGHT TERMS:** All shipments are F.O.B. shipping point. Shipments from factory less than 1000 lbs. are F.O.B. factory. Factory shipments OF \$5000 and over within the continental U.S.A. will be prepaid and allowed when made at the lowest motor carrier transportation rate.

**TERMS OF SALE:** All sales are F.O.B. shipping point.

**PAYMENT TERMS:** The invoices are due and payable 30 days from the date of invoice.

**PURCHASE ORDER FORMS:** Orders submitted on customer's own purchase order forms will be accepted only with the express understanding that no statements, clauses, or conditions contained in said order form will be binding on the Seller if they in any way modify the Seller's own terms and conditions of sales.

**STOCKING WHOLESALER MINIMUM CHARGE:** A minimum billing charge of \$100.00 applies to shipments F.O.B. factory. Stocking Wholesaler Customers are encouraged to order sufficient material to avoid this charge which is necessitated by increased costs of processing small orders.

**SPECIAL PRODUCTS:** Orders for special or modified products are non-cancelable. In the event that the customer cancels an order for such products, Watts shall charge the customer an amount equal to Watts' costs and expenses incurred in performing the purchase order prior to receipt of notice of cancellation.

**LIMITED WARRANTY:** Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

**THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**

**SERVICE POLICY:** For inoperative products beyond the warranty period, we assume no liability for replacement of valves due to service conditions beyond our control.

**RETURNED GOODS:** No material shall be returned without authorization. When credit is issued it will be at the price charged, or prevailing price if lower, less handling charges based on costs of reconditioning, boxing, etc. However, a minimum 25% handling charge will apply. A minimum handling charge of \$20.00 is applied whenever the 25% handling deduction does not total \$20.00. Products which are obsolete or made to special order are not returnable.

**NOTE:** Prices and terms are subject to change without notice and supersede all previous quotations. The right is reserved to change or modify product design or construction without prior notice and without incurring any obligation to make such changes and modifications on products previously or subsequently sold.



# Water Pressure Reducing Valves

Unless noted, all pressure reducing valves on this page are factory set at 50psi. Adjustable range is 25 – 75psi.



LFU5B-Z3

**SERIES LFU5B-Z3, LF25AUB-Z3:**  
Standard Features

**Z3** – Sealed spring cage and stainless steel corrosion resistant adjusting & cage screws for accessible outdoor or pit installations

**Options**

- G** – Gauge tapping
- GG** – Gauge tapping and 160psi gauge
- HP** – High pressure range U5B-Z3 75 – 100psi; 25AUB-Z3 75 – 125psi. Not available with G or GG option
- LP** – Low pressure range 10 – 35psi. Not available with G or GG option
- Z7** – 400psi initial pressure 1/2", 3/4" and 1"



LF25AUB-QC-Z3

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series LFU5B – Max Pressure 300psi w/Bypass

### NPT Threaded Female Union Inlet x NPT Female Threaded Union Outlet

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFU5B-Z3	0009100	1/2	098268327335	6	19	\$ 1,088.00
	LFU5B-Z3	0009118	3/4	098268327533	6	24	1,265.00
	LFU5B-Z3	0009154	1	098268327991	6	32	1,932.00
	LFU5B-Z3	0009180	1 1/4	098268328462	6	47	3,715.00
	LFU5B-Z3	0009192	1 1/2	098268328677	1	12	4,179.00
	LFU5B-Z3	0009204	2	098268329001	1	19	6,092.00

### Quick-Connect Union Inlet x NPT Threaded Female Outlet

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFU5B-QC-Z3	0125285	3/4	098268859898	6	24	1,472.00
	LFU5B-QC-Z3	0125286	1	098268859904	6	32	2,171.00

SPECIAL MODELS: Model 5M3-Z6 – with water meter threaded connections and 7 1/2" lay length for new or existing meter box installations.

## Series LF25AUB – Max Pressure 300psi w/Bypass

### NPT Threaded Female Union Inlet x NPT Threaded Female Outlet

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF25AUB-Z3	0009217	1/2	098268329162	6	16	471.50
	LF25AUB-Z3	0009257	3/4	098268329704	6	17	486.50
	LF25AUB-Z3	0009309	1	098268330427	6	27	623.50
	LF25AUB-Z3	0009392	1 1/4	098268331431	4	33	1,185.00
	LF25AUB-Z3	0009431	1 1/2	098268331868	4	35	1,581.00
	LF25AUB-Z3	0009465	2	098268332247	1	13	2,308.00

### Solder Union Inlet x NPT Threaded Female Outlet

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF25AUB-S-Z3	0009237	1/2	098268329421	6	16	471.50
	LF25AUB-S-Z3	0009282	3/4	098268330083	6	18	486.50
	LF25AUB-S-Z3	0009331	1	098268330724	6	27	623.50
	LF25AUB-S-Z3	0009391	1 1/4	098268331424	4	34	1,185.00
	LF25AUB-S-Z3	0009430	1 1/2	098268331851	4	37	1,581.00
	LF25AUB-S-Z3	0009464	2	098268332230	1	13	2,308.00

### Double Union/NPT Threaded Female Union Inlet x NPT Threaded Female Union Outlet

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF25AUB-DU-Z3	0009228	1/2	098268329315	6	18	541.00
	LF25AUB-DU-Z3	0009258	3/4	098268329711	6	21	559.00
	LF25AUB-DU-Z3	0009322	1	098268330588	6	93	746.50
	LF25AUB-DU-Z3	0009353	1 1/4	098268330984	1	8.9	1,302.00
	LF25AUB-DU-Z3	0009393	1 1/2	098268331448	1	8.9	1,814.00
	LF25AUB-DU-Z3	0009442	2	098268331981	1	18	2,426.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Water Pressure Reducing Valves

Unless noted, all pressure reducing valves on this page are factory set at 50psi. Adjustable range is 25 – 75psi.

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series LF25AUB – Max Pressure 300psi w/Bypass (cont.)

### Double Union/Solder Union Inlet x Solder Union Outlet

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF25AUB-S-DU-Z3	0009246	1/2	098268329513	6	22	\$ 541.00
	LF25AUB-S-DU-Z3	0009283	3/4	098268330090	6	19	559.00
	LF25AUB-S-DU-Z3	0009337	1	098268330786	6	29	746.50
	LF25AUB-S-DU-Z3	0009382	1 1/4	098268331332	1	29	1,302.00
	LF25AUB-S-DU-Z3	0009421	1 1/2	098268331752	1	11	1,814.00
	LF25AUB-S-DU-Z3	0009455	2	098268332131	1	16	2,426.00

### Double Union/NPT Threaded Female Union Inlet – Less Fittings

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF25AUB-DU-LF-Z3	0009298	3/4	098268330298	6	24	486.50
	LF25AUB-DU-LF-Z3	0009320	1	098268330564	6	41	665.00
	LF25AUB-DU-LF-Z3	0009364	1 1/4	098268331134	4	36	1,168.00

### Double Union/Press Union Inlet x Press Union Outlet

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF25AUB-DU-PR-Z3	88006871	1/2	098268177602	6	22	571.50
	LF25AUB-DU-PR-Z3	88006877	3/4	098268177640	6	19	595.00
	LF25AUB-DU-PR-Z3	88006874	1	098268177695	6	29	778.50
	LF25AUB-DU-PR-Z3	88006872	1 1/4	098268178227	1	29	1,467.00
	LF25AUB-DU-PR-Z3	88006873	1 1/2	098268177664	1	11	1,949.00
	LF25AUB-DU-PR-Z3	88006875	2	098268178241	1	16	2,890.00

### Double Union/CEF (F1960) Union Inlet x CEF (F1960) Union Outlet

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF25AUB-DU-CEF-Z3	88009123	1/2	098268288704	6	22	540.50
	LF25AUB-DU-CEF-Z3	88009124	3/4	098268288711	6	19	564.50
	LF25AUB-DU-CEF-Z3	88009125	1	098268288735	6	29	761.50
	LF25AUB-DU-CEF-Z3	88009126	1 1/4	098268288742	1	29	1,338.00
	LF25AUB-DU-CEF-Z3	88009127	1 1/2	098268288773	1	11	1,878.00

## Tail Piece Kits

### Quick-Connect Tail Piece Kits for Series LFU5B and LF25AUB

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFTPK-QC 25AUB/U5B	0121276	1/2	098268582260	24	6	38.00
	LFTPK-QC 25AUB/U5B	0121277	3/4	098268582277	24	11	57.50
	LFTPK-QC 25AUB/U5B	0121278	1	098268582284	24	14	79.50



LFTPK-QC

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Water Pressure Reducing Valves

## SERIES LFN55B:

### Standard Features

Corrosion-resistant adjusting screw and sealed cage for waterworks pit installations



LFN55B

Unless noted, all pressure reducing valves on this page are factory set at 50psi. Adjustable range is 25 – 75psi.



LFN55BU-S



LFN55BM1-DU-PEXxPEX

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series LFN55B - Max Pressure 400psi (1/2" - 1"), 300psi (1/4" - 2")

### Threaded Female Inlet x NPT Threaded Female Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1	0009538	1/2	098268333084	12	23.04	\$ 283.00
LFN55BM1	0009588	3/4	098268333688	12	23.04	287.50
LFN55BM1	0009638	1	098268334265	12	25.68	340.00
LFN55B	0009673	1 1/4	098268334230	1	7	747.00
LFN55B	0009682	1 1/2	098268334685	1	7	1,174.00
LFN55B	0009690	2	098268334739	1	7.85	1,531.00

### Threaded Female Union Inlet x NPT Threaded Female Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-U	0009539	1/2	098268333084	12	24.72	293.00
LFN55BM1-U	0009589	3/4	098268333688	12	26.16	318.00
LFN55BM1-U	0009639	1	098268334265	12	30.24	370.50
LFN55BU	0009674	1 1/4	098268334230	1	7.54	782.00
LFN55BU	0009683	1 1/2	098268334685	1	8.54	1,207.00
LFN55BU	0009691	2	098268334739	1	9.62	1,558.00

### Solder Union Inlet x NPT Threaded Female Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-U-S	0009540	1/2	098268333107	12	24.24	213.00
LFN55BM1-U-S	0009590	3/4	098268333718	12	25.68	318.00
LFN55BM1-U-S	0009640	1	098268334289	12	29.28	370.50
LFN55BU-S	0009675	1 1/4	098268334654	1	7.4	782.00
LFN55BU-S	0009684	1 1/2	098268334708	1	8.4	1,207.00
LFN55BU-S	0009692	2	098268334753	1	9.7	1,558.00

### Double Union/Threaded Female Union Inlet x Threaded Female Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-DU	0009536	1/2	098268333060	12	26.40	324.50
LFN55BM1-DU	0009585	3/4	098268333633	12	29.04	354.50
LFN55BM1-DU	0009635	1	098268334234	12	35.04	428.00
LFN55BDU	0009671	1 1/4	098268334616	1	9	872.50
LFN55BDU	0009680	1 1/2	098268334661	1	9.68	1,367.00
LFN55BDU	0009688	2	098268334715	1	11.24	1,716.00

### Double Union/Solder Union Inlet x Solder Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-DU-S	0009537	1/2	098268333077	12	31.20	236.00
LFN55BM1-DU-S	0009586	3/4	098268333640	12	28.20	354.50
LFN55BM1-DU-S	0009636	1	098268334248	12	16.80	428.00
LFN55BDU-S	0009672	1 1/4	098268334623	1	7.52	872.50
LFN55BDU-S	0009681	1 1/2	098268334678	1	9.24	1,367.00
LFN55BDU-S	0009689	2	098268334722	1	10.86	1,716.00

### Double Union/PEX Union Inlet x PEX Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-DU-PEXxPEX	0009587	3/4	098268333657	12	29.9	404.00
LFN55BM1-DU-PEXxPEX	0009637	1	098268334258	12	34.39	405.50

### Double Union/CPVC Union Inlet x CPVC Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-DU-CPVC	0009634	3/4	098268334227	12	26.40	293.00
LFN55BM1-DU-CPVC	0009659	1	098268334487	12	26.40	368.50

### Double Union/Press Union Inlet x Press Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-DU-PR	88006883	3/4"	098268178364	6	24	326.00
LFN55BM1-DU-PR	88006884	1"	098268178395	6	41	403.50

### Double Union/Press Union Inlet x Press Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-DU-CEF	88009133	3/4"	098268288896	6	24	322.50
LFN55BM1-DU-CEF	88009134	1"	098268288926	6	41	403.50

## Series LFN55BM1-DU-XL

### Drop-in replacement for dual union 70XL Pressure Reducing Valve

#### Double Union/Threaded Female Inlet x Threaded Female Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-DU-XL	0709585	3/4"	098268245905	6	24	354.50
LFN55BM1-DU-XL	0709635	1"	098268248487	6	41	428.00

#### Double Union/Solder Union Inlet x Solder Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN55BM1-DU-S-XL	0709586	3/4"	098268289329	6	24	\$354.50
LFN55BM1-DU-S-XL	0709636	1"	098268289336	6	41	428.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Water Pressure Reducing Valves

Pressure Regulators & Automatic Control Valves

## SERIES LFN45B:

### Standard Features

Corrosion-resistant adjusting screw and sealed cage for waterworks pit installations



LFN45BU

Unless noted, all pressure reducing valves on this page are factory set at 50psi. Adjustable range is 25 – 75psi.



LFN45BDU-QC-M1



LFN45BDU



LFN45BDU-EZ

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series LFN45B - Max Pressure 400psi w/Bypass

### NPT Threaded Female Inlet x NPT Threaded Female Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1	0009470	1/2	098268332308	12	24	\$ 246.00
LFN45BM1	0009477	3/4	098268332391	12	20	247.50
LFN45BM1	0009489	1	098268332575	12	30	295.00
LFN45B	0009503	1 1/4	098268332728	1	6.0	700.00
LFN45B	0009514	1 1/2	098268332827	1	6.3	1,111.00
LFN45B	0009523	2	098268332926	1	7.0	1,457.00

### NPT Threaded Female Union Inlet x NPT Threaded Female Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1-U	0009471	1/2	098268332315	12	24	257.00
LFN45BM1-U	0009478	3/4	098268332407	12	24	259.50
LFN45BM1-U	0009490	1	098268332582	12	33	332.50
LFN45BU	0009504	1 1/4	098268332735	1	6.64	808.50
LFN45BU	0009516	1 1/2	098268332858	1	7.6	1,206.00
LFN45BU	0009526	2	098268332940	1	8.72	1,568.00

### Quick-Connect Union Inlet x NPT Threaded Female Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1-U-QC	0121279	3/4	098268582291	12	34	120.00
LFN45BM1-U-QC	0121280	1	098268582307	12	42	439.00

### Solder Union Inlet x NPT Threaded Female Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1-U-S	0009473	1/2	098268332339	12	24	199.50
LFN45BM1-U-S	0009480	3/4	098268332438	12	23	259.50
LFN45BM1-U-S	0009492	1	098268332605	12	26	332.50
LFN45BU-S	0009505	1 1/4	098268332742	1	7.3	808.50
LFN45BU-S	0009517	1 1/2	098268332872	1	7.43	1,292.00
LFN45BU-S	0009527	2	098268332957	1	8.52	1,568.00

### Double Union/NPT Threaded Female Union Inlet x NPT Threaded Female Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1-DU	0009472	1/2	098268332322	12	31.2	305.50
LFN45BM1-DU	0009479	3/4	098268332414	12	26	283.00
LFN45BM1-DU	0009491	1	098268332599	6	18	369.50
LFN45BDU	0009512	1 1/4	098265332803	1	7.59	878.50
LFN45BDU	0009520	1 1/2	098268527605	1	9.1	1,410.00
LFN45BDU	0009530	2	098268333015	1	11.24	1,797.00

### Double Union/Quick-Connect Union Inlet x Quick-Connect Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BDU-QC M1	0125321	3/4	098268860504	12	23	329.50
LFN45BDU-QC M1	0125322	1	098268860511	12	32	429.00

### Double Union/Solder Union Inlet x Solder Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1-DU-S	0009474	1/2	098268332346	12	2.6	222.00
LFN45BM1-DU-S	0009481	3/4	098268332469	12	25	283.00
LFN45BM1-DU-S	0009493	1	098268332612	6	15	369.50
LFN45BDU-S	0009801	1 1/4	098268428612	1	7.3	818.50
LFN45BDU-S	0009800	1 1/2	098268428605	1	8.9	1,315.00
LFN45BDU-S	0009533	2	098268333046	1	10	1,677.00

### Double Union/NPT Threaded Union Connections inlet and outlet and Calibrated Outlet Adjustment

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1-DU-EZ	0009482	3/4	098268332476	12	29	315.00
LFN45BM1-DU-EZ	0009498	1	098268332667	6	18	340.00

### Double Union/PEX Union Inlet x PEX Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1-DU-PEXxPEX	0009485	3/4	098268332520	12	26	221.50
LFN45BM1-DU-PEXxPEX	0125319	1	098268860481	6	32.4	369.50

### Double Union/CPVC Union Inlet x CPVC Union Outlet

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFN45BM1-DU-CPVC	0009486	3/4	098268332537	12	25	270.50
LFN45BM1-DU-CPVC	0009496	1	098268332643	6	18	364.50

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Water Pressure Reducing Valves



LFN45BM1 (w/press)

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series LFN45B - Max Pressure 400psi w/Bypass

#### Double Union/Press Union Inlet x Press Union Outlet

LFN45BM1-DU-PR	88006876	1/2"	098268178258	6	22	\$317.50
LFN45BM1-DU-PR	88006880	3/4"	098268178625	6	19	327.00
LFN45BM1-DU-PR	88006878	1"	098268178272	6	29	408.50
LFN45BM1-DU-PR	88006879	1 1/4"	098268177701	1	29	918.50
LFN45BM1-DU-PR	88006881	1 1/2"	098268178302	1	11	1,419.00
LFN45BM1-DU-PR	88006882	2"	098268178319	1	16	1,928.00

#### Double Union/CEF (F1960) Union Inlet x CEF (F1960) Union Outlet

LFN45BM1-DU-PR	88009128	1/2"	098268288780	6	22	307.50
LFN45BM1-DU-CEF	88009129	3/4"	098268288797	6	19	320.00
LFN45BM1-DU-PR	88009130	1"	098268288803	6	29	395.00
LFN45BM1-DU-PR	88009131	1 1/4"	098268288834	1	29	849.00
LFN45BDU-CEF	88009132	1 1/2"	098268288889	1	11	1,256.00

### How To Order Jumper Kits

Example: 3/4" JK P-345 S

Size: \_\_\_\_\_  
1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

Jumper Kit Designation: \_\_\_\_\_

Nipple Type: \_\_\_\_\_  
B = Brass P = Plastic

Fits Valve Model: \_\_\_\_\_  
25 = 25AUB-Z3 345 = N45, N55 (1/2" - 1") 55 = N45, N55 (1 1/4" - 2")

Connection: \_\_\_\_\_  
M = Male brass solder S = Female copper solder

3/4" JK P-345 S

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Jumper Kits

#### Complete Kits With Plastic Nipple

##### Female x Female Copper Sweat Tailpiece

JK-P-25 S	0006944	1 1/4	098268554175	6	19	127.00
JK-P-55 S	0007721	1 1/4	098268200133	6	20	148.00

Jumper Kits Include: Jumper nipple, strainer screen, 2 fiber washers, 2 union nuts and tailpieces.

Jumper Kits are the correct lay length for the water pressure reducing valves.

**When removing jumper nipple and inserting the water pressure reducing valve, two O-rings (ordered separately) are required.**

# Water Pressure Reducing Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## High Capacity

### Series LFN250/LFN250B - Max. Pressure 250psi

#### Iron Body Water Pressure Regulators - NPT Threaded Female Connections

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
	LFN250B	0121241	1/2	25-75	098268580501	12	44	\$ 434.50
	LFN250B	0121243	3/4	25-75	098268581348	6	22	509.50
	LFN250	0121242	3/4	25-75	098268581331	6	22	475.50

Suffix B - bypass feature

### Series LF127W - Max Pressure 175psi

#### Pressure Range 25-100psi

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
	LF127W-206	0009904	3	Bronze	098268430592	1	39	13,603.00

### Series LFF127W - Max Pressure 175psi

#### Flange Connections

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
	LFF127W-206	0009905	3	Iron	098268430608	1	47	14,639.00
	LFF127W-206	0009906	4	Iron	098268430615	1	81	18,125.00

\*Model N223B - 3" size can be used as an alternative to 127W. †Max. pressure 175psi.

### Series LF223 - Max Pressure 300psi

#### Without Strainer - NPT Threaded Female Connections

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
	LF223	0298500	1/2	Brass	098268349375	6	27	1,147.00
	LF223	0298514	3/4	Brass	098268349511	6	27	1,147.00
	LF223	0298533	1	Brass	098268349702	6	41	1,771.00
	LF223	0298553	1 1/4	Brass	098268349917	6	49	3,170.00
	LF223	0298568	1 1/2	Brass	098268350401	1	16	4,780.00
	LF223	0298585	2	Brass	098268350623	1	26	6,896.00
	LF223	0298601	2 1/2	Iron	098268350784	1	27	7,587.00

#### With Strainer - NPT Threaded Female Connections

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
	LF223-S	0298510	1/2	Brass	098268349474	6	27	1,561.00
	LF223-S	0298524	3/4	Brass	098268349610	6	34	1,561.00
	LF223-S	0298546	1	Brass	098268349832	1	9.0	2,239.00
	LF223-S	0298561	1 1/4	Brass	098268350272	1	11	3,869.00
	LF223-S	0298574	1 1/2	Brass	098268350463	1	20	5,659.00
	LF223-S	0298594	2	Brass	098268350715	1	34	8,246.00

### Series LFN223 - Max Pressure 300psi

#### Without Strainer - NPT Threaded Female Connections

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
	LFN223-B-M2	0298602	2 1/2	Brass	098268350791	1	27	9,071.00
	LFN223-B-M1	0298615	3	Brass	098268350944	1	70	10,544.00
	LFN223FM2	0298620	3	Iron	098268350999	1	88	10,956.00

#### With Bronze Strainer - NPT Threaded Female Connections

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
	LFN223M2-S-B	0298609	2 1/2	Bronze	098268350869	1	39	11,800.00
	LFN223M1-S-B	0298617	3	Bronze	098268350968	1	96	14,141.00
	LFN223FM2-S	0298621	3	Iron	098268351002	1	125	13,932.00



LF223S



LFN223F-M2

SERIES LF223, LF223S, LFN223B:

#### Options

- B** - Built-in bypass feature
- HP** - High pressure range:  
1/2" - 1" (50 - 145psi),  
1 1/4" (50 - 120psi),  
1 1/2" - 2 1/2" (50 - 95psi)
- LP** - Low pressure range:  
10 - 35psi
- Z3** - Sealed spring cage and stainless steel corrosion resistant adjusting & cage screws for accessible outdoor or pit installations.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Water Pressure Reducing Valves



2300

Model	Ordering Code	Size (in.)	Body	UPC	Carton Qty	Weight Per Carton (lbs.)	List Price (each)
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## Direct Operated Water Pressure Reducing Valves

### Series 2300 - Max Pressure 200psi

#### Pressure Range 30-80psi; Max Pressure 200psi

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Carton Qty	Weight Per Carton (lbs.)	List Price (each)
	2300	0681040	3		098268086850	1	121	\$ 29,062.00
	2300	0681060	4		098268086867	1	225	41,484.00



LF26A

Model	Ordering Code	Size (in.)	Pressure Range (psi)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Small Capacity

### Series LF26A - Max Pressure 300psi

#### Compact Water Pressure Regulators

LEAD FREE*	Model	Ordering Code	Size (in.)	Pressure Range (psi)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF26A 1-25	0009810	1/4	1-25	098268428674	25	30	\$ 360.50
	LF26A 1-25	0009814	3/8	1-25	098268428711	25	25	360.50
	LF26A 1-25	0009818	1/2	1-25	098268428759	12	15	465.50
	LF26A 3-50	0125326	1/8	3-50	098268860559	25	25	360.50
	LF26A 3-50	0009811	1/4	3-50	098268428681	25	27	360.50
	LF26A 3-50	0009815	3/8	3-50	098268428728	25	26	360.50
	LF26A 3-50	0009819	1/2	3-50	098268428766	12	15	465.50
	LF26A 10-125	0009812	1/4	10-125	098268428698	25	28	360.50
	LF26A 10-125	0009816	3/8	10-125	098268428735	25	27	360.50
	LF26A 10-125	0009820	1/2	10-125	098268428773	12	15	465.50
	LF26A 50-175	0009817	3/8	50-175	098268428742	25	30	360.50



LF263A 3-way

## Series LF263A - Max Pressure 300psi

### Compact Water Pressure Regulators, 3-way Flow

LEAD FREE*	Model	Ordering Code	Size (in.)	Pressure Range (psi)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF263A 3-50	0009821	1/4	3-50	098268428780	25	26	392.00
	LF263A 3-50	0009827	3/8	3-50	098268428841	25	28	392.00
	LF263A 3-50	0009835	1/2	3-50	098268428926	12	14	500.00
	LF263A 10-125	0009823	1/4	10-125	098268428803	25	48	392.00
	LF263A 10-125	0009828	3/8	10-125	098268428858	25	24	392.00
	LF263A 10-125	0009836	1/2	10-125	098268428933	12	20	500.00
	LF263A 1-25	0009826	3/8	1-25	098268428834	25	25	392.00
	LF263A 1-25	0009834	1/2	1-25	098268428919	12	17	500.00
	LF263A 50-175	0009837	1/2	50-175	098268428940	12	20	500.00
	LF263AP 20-175	0009898	1/2	20-175	098268430530	12	15	1,080.00

### Compact Water Pressure Regulator - Stainless Steel Body, 3-Way Flow

LEAD FREE*	Model	Ordering Code	Size (in.)	Pressure Range (psi)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	SS263AP-M1 1-25	0335115	1/2	1-25	098268081046	12	21	1,795.00
	SS263AP-M1 3-50	0335077	1/2	3-50	098268197617	12	23	1,795.00
	SS263AP-M1 10-125	0335078	1/2	10-125	098268197624	12	22	1,795.00
	SS263AP-M1 20-175	0335079	1/2	20-175	098268197631	12	22	1,795.00
	SS263AP-M1 100-300	0335080	1/2	100-300	098268197648	12	23	1,795.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Water Pressure Reducing Valves



LF123LP

Model	Ordering Code	Size (in.)	Pressure Range (psi)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series LF123LP - Max Pressure 200psi

### Factory Set at 30psi

LEAD FREE*	LF123-LP	0121224	1/2	10-30	098268580235	12	23	\$ 1,006.00
	LF123-LP	0121225	3/4	10-30	098268580242	6	19	1,166.00

## Compact Water Pressure Regulators

### Series LF560 - Max Pressure 300psi

#### Compact Water Pressure Regulator

LEAD FREE*	LF560 0-60	0121250	1/8	0-60	098268581508	50	45	317.00
	LF560-G 0-60	0121253	1/8	0-60	098268581553	24	24	455.00
	LF560 0-60	0121257	1/4	0-60	098268581591	50	28	317.00
	LF560-G 0-60	0121256	1/4	0-60	098268581584	24	19	455.00

0-25 and 0-125psi pressure ranges also available. Consult factory for ordering codes.



LFH560G

## Series LFH560 - Max Pressure 150psi

### Factory Preset to 40psi

#### Compact Water Pressure Regulator - with Hose End Connections

LEAD FREE*	LFH560	0121264	3/4 HT	10-60	098268582079	24	22	391.50
	LFH560-G	0121265	3/4 HT	10-60	098268582086	24	23	544.50
	LFH560-G	0121265	3/4 HT	10-60	098268582086	24	23	544.50



P60

## Miniature Water Pressure Regulators

### Series P60M1 - Max Pressure 300psi, Plastic Regulator

LEAD FREE*	P60M1 0-25	0354554	1/4	0-25	098268224375	50	7	245.50
	P60M1 0-60	0354555	1/4	0-60	098268224382	50	8	245.50
	P60M1 0-125	0354556	1/4	0-125	098268224399	50	8	245.00

## Series LF215 - Max Pressure 300psi

### Water, No. 2 Fuel Oil

LEAD FREE*	LF215M1 0-50	0009840	1/4	0-50	098268428971	6	14	925.50
	LF215M1 0-50	0009842	3/8	0-50	098268428995	6	14	925.50

0-8 and 0-20psi pressure ranges also available. Consult factory for ordering codes.



LF215

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



# Steam Pressure Regulators

Model	Ordering Code	Size (in.)	Pressure Range (psi)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series 152A

### Max. Pressure 200psi – Stainless Steel Disc, Seat and Strainer – For Steam or Liquid Service – Iron Body



152A

152A 3-15	†0830886	1/2	3-15	098268095692	4	49	\$ 1,341.00
152A 10-50	†0830910	1/2	10-50	098268095784	4	47	1,341.00
152A 30-140	†0830905	1/2	30-140	098268095760	4	48	1,341.00
152A 3-15	†0830918	3/4	3-15	098268095821	4	47	1,616.00
152A 10-50	†0830920	3/4	10-50	098268095845	4	48	1,616.00
152A 30-140	†0830928	3/4	30-140	098268095869	4	44	1,616.00
152A 3-15	†0830946	1	3-15	098268095968	1	20	2,107.00
152A 10-30	†0830945	1	10-30	098268095951	1	20	2,107.00
152A 30-140	†0830950	1	30-140	098268095999	1	21	2,107.00
152A 3-15	†0830957	1 1/4	3-15	098268096026	1	20	2,909.00
152A 10-30	†0830960	1 1/4	10-30	098268096040	1	20	2,909.00
152A 30-140	†0830965	1 1/4	30-140	098268096057	1	20	2,909.00
152A 5-40	†0830985	1 1/2	5-40	098268096064	1	40	3,267.00
152A 30-100	†0830988	1 1/2	30-100	098268096071	1	41	3,267.00
152A 5-40	†0831010	2	5-40	098268096088	1	41	4,738.00
152A 30-100	†0831015	2	30-100	098268096118	1	40	4,738.00

Use Model 152AT for extra tight seating in liquid service. Available in these sizes. List Price 10% extra

## Series 152SS

### Stainless Steel Body – 152SS (Up to 300psi @ 420°F), 152SST (300psi @ 300°F – 200psi @ 400°F)

152SS 3-15	†0842076	1/2	3-15	098268234817	1	13	14,633.00
152SS 10-50	†0842072	1/2	10-50	098268103090	4	11	14,633.00
152SS 30-140	†0842073	1/2	30-140	098268213263	4	55	14,633.00
152SS 3-15	†0842087	3/4	3-15	098268234824	1	13	16,167.00
152SS 10-50	†0842086	3/4	10-50	098268103137	1	13	16,167.00
152SS 30-140	†0842088	3/4	30-140	098268234831	4	54	16,167.00
152SS 3-15	†0842107	1	3-15	098268234848	1	13	16,936.00
152SS 10-50	†0842106	1	10-50	098268103205	1	13	16,936.00
152SS 30-140	†0842108	1	30-140	098268307559	1	14	16,936.00

Use Model 152SST for extra tight seating in liquid service. Available in these sizes. List Price 10% extra

## Series 252A

### Max. Pressure 300psi – Bronze Body

252A 3-15	†0839720	1/2	3-15	098268102758	4	48	2,299.00
252A 10-50	†0839721	1/2	10-50	098268102765	4	49	2,299.00
252A 30-140	†0839740	1/2	30-140	098268102802	4	50	2,299.00
252A 3-15	†0839828	3/4	3-15	098268102895	4	48	2,737.00
252A 10-50	†0839831	3/4	10-50	098268102925	4	49	2,737.00
252A 30-140	†0839827	3/4	30-140	098268102888	4	51	2,737.00
252A 10-50	†0839981	1	10-50	098268103052	1	21	3,324.00
252A 30-140	†0840000	1	30-140	098268103069	1	22	3,324.00

Use Model 252AT for extra tight seating in liquid service. List Price 10% extra.

# Steam Pressure Regulators



F127SS

Model	Ordering Code	Size (in.)	Body	UPC	Carton Qty	Weight Per Carton (lbs.)	List Price (each)
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## High Capacity Diaphragm Operated Steam Pressure Regulators Series 127

### Threaded Connections

127SS-206	0826229	1/2	Bronze	098268094589	1	22	\$ 5,740.00
127SS-206	0826543	3/4	Bronze	098268094633	1	22	5,740.00
127SS-206	0826861	1	Bronze	098268094688	1	23	6,409.00
127SS-208	0827187	1 1/4	Bronze	098268094763	1	28	7,082.00
127SS-208	0827314	1 1/2	Bronze	098268094817	1	30	8,101.00
127SS-208	0827334	2	Bronze	098268094879	1	32	9,918.00
127SS-208	0828250	2 1/2	Bronze	098268094923	1	36	12,429.00
127SS-208	0828290	3	Bronze	098268095012	1	40	14,168.00

## Series F127

### Flange Connections

F127SS-208	0828292	3	Iron	098268095029	1	51	15,518.00
F127SS-208	0828330	4	Iron	098268095098	1	83	19,553.00

Standardly furnished with stainless steel valve disc.

For reduced pressure below 10psi, prices subject to \$85.85 list extra, whenever special extra large diaphragm is required.

When ordering Series 127 and F127, be sure to specify initial pressure and reduced pressure setting or range required.

## Automatic Control Valves

## "M" Series



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFM110-10 Globe / LFM1110-10 Angle****Float Control - Modulating (Constant Level)**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM110-10 Globe Threaded	CF**	1 1/4"	Ductile Iron w LF Brass Pilot	1	25	\$ CF**
LFM110-10 Globe Threaded	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	25	CF**
LFM110-10 Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	25	CF**
LFFM110-10 Globe Threaded	CF**	2"	Ductile Iron w LF Brass Pilot	1	25	CF**
LFM110-10 Globe 150# Flanged	6890-20	2"	Ductile Iron w LF Brass Pilot	1	25	4,333.00
LFM110-10 Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	25	CF**
LFM110-10 Globe Threaded	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	60	CF**
LFM110-10 Globe 150# Flanged	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	60	CF**
LFM110-10 Globe 300# Flanged	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM110-10 Globe Threaded	CF**	3"	Ductile Iron w LF Brass Pilot	1	60	CF**
LFF110-10 Globe 150# Flanged	7908-12	3"	Ductile Iron w LF Brass Pilot	1	60	5,207.00
LFM110-10 Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	60	CF**
LFM110-10 Globe 150# Flanged	7425-13	4"	Ductile Iron w LF Brass Pilot	1	100	5,832.00
LFM110-10 Globe 300# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	100	CF**
LFM110-10 Globe 150# Flanged	8044-24	6"	Ductile Iron w LF Brass Pilot	1	195	9,746.00
LFM110-10 Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	195	CF**
LFM110-10 Globe 150# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	415	CF**
LFM110-10 Globe 300# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	415	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves - Consult Factory for Ordering Code

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFM110-14 Globe / LFM1110-14 Angle On/Off (open/closed)****Float Control Valve (Adjustable Hi/Lo level) On/Off Float Valve**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM110-14 Globe Threaded	CF**	1 1/4"	Ductile Iron w SS Pilot	1	35	\$ CF**
LFM110-14 Globe Threaded	CF**	1 1/2"	Ductile Iron w SS Pilot	1	35	CF**
LFM110-14 Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w SS Pilot	1	35	CF**
LFM110-14 Globe Threaded	6890-04	2"	Ductile Iron w SS Pilot	1	35	3,960.00
LFM110-14 Globe 150# Flanged	6890-20	2"	Ductile Iron w SS Pilot	1	35	4,333.00
LFM110-14 Globe 300# Flanged	CF**	2"	Ductile Iron w SS Pilot	1	35	CF**
LFM110-14 Globe Threaded	CF**	2 1/2"	Ductile Iron w SS Pilot	1	70	CF**
LFM110-14 Globe 150# Flanged	CF**	2 1/2"	Ductile Iron w SS Pilot	1	70	CF**
LFM110-14 Globe 300# Flanged	CF**	2 1/2"	Ductile Iron w SS Pilot	1	75	CF**
LFM110-14 Globe Threaded	7908-07	3"	Ductile Iron w SS Pilot	1	70	4,490.00
LFM110-14 Globe 150# Flanged	7908-12	3"	Ductile Iron w SS Pilot	1	70	5,207.00
LFM110-14 Globe 300# Flanged	CF**	3"	Ductile Iron w SS Pilot	1	70	CF**
LFM110-14 Globe 150# Flanged	7420-40	4"	Ductile Iron w SS Pilot	1	110	6,808.00
LFM110-14 Globe 300# Flanged	CF**	4"	Ductile Iron w SS Pilot	1	110	CF**
LFM110-14 Globe 150# Flanged	8044-21	6"	Ductile Iron w SS Pilot	1	220	9,090.00
LFM110-14 Globe 300# Flanged	CF**	6"	Ductile Iron w SS Pilot	1	220	CF**
LFM110-14 Globe 150# Flanged	6697-07	8"	Ductile Iron w SS Pilot	1	425	19,655.00
LFM110-14 Globe 300# Flanged	CF**	8"	Ductile Iron w SS Pilot	1	425	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves - Consult Factory for Ordering Code

Valve standard with stainless rods/plastic float. Size 2" - 6" std. with (2) 12" rods. Sizes 8" - 16" std. with (4) 12" rods.

**Additional Rods: LF Series Stainless Steel 12". See ACV options list**

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Automatic Control Valves

# "M" Series



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFM115 Globe / LFM1115 Angle

### Pressure Reducing Control Valve (30-300 psi Pilot adjustment range)

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM115 Globe Threaded	7316-32	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 3,774.00
LFM115 Globe Threaded	8580-25	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	3,774.00
LFM115 Globe 150# Flanged	8580-41	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	3,972.00
LFM115 Globe Threaded	7253-71	2"	Ductile Iron w LF Brass Pilot	1	35	3,861.00
LFM115 Globe 150# Flanged	V7253-45	2"	Ductile Iron w LF Brass Pilot	1	35	4,868.00
LFM115 Globe 300# Flanged	4341-86	2"	Ductile Iron w LF Brass Pilot	1	35	5,056.00
LFM115 Globe Threaded	8963-24	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	4,726.00
LFM115 Globe 150# Flanged	8963-19	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,015.00
LFM115 Globe 300# Flanged	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115 Globe Threaded	2600-62	3"	Ductile Iron w LF Brass Pilot	1	70	4,844.00
LFM115 Globe 150# Flanged	2600-49	3"	Ductile Iron w LF Brass Pilot	1	70	5,219.00
LFM115 Globe 300# Flanged	2600-41	3"	Ductile Iron w LF Brass Pilot	1	70	5,588.00
LFM115 Globe 150# Flanged	V9944-16	4"	Ductile Iron w LF Brass Pilot	1	120	6,735.00
LFM115 Globe 300# Flanged	9944-42	4"	Ductile Iron w LF Brass Pilot	1	120	7,860.00
LFM115 Globe 150# Flanged	V8903-40	6"	Ductile Iron w LF Brass Pilot	1	220	11,044.00
LFM115 Globe 300# Flanged	V9777-26	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFM115 Globe 150# Flanged	8937-11	8"	Ductile Iron w LF Brass Pilot	1	425	17,383.00
LFM115 Globe 300# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	425	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

## LFM115 Globe / LFM1115 Angle with Gauges and Position Indicator

### Pressure Reducing Control Valve (30-300 psi Pilot adjustment range)

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM115 Globe Threaded	7316-35	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 5,220.00
LFM115 Globe Threaded	8580-63	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	5,306.00
LFM115 Globe 150# Flanged	8580-42	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	5,333.00
LFM115 Globe Threaded	7253-97	2"	Ductile Iron w LF Brass Pilot	1	35	4,805.00
LFM115 Globe 150# Flanged	V7253-46	2"	Ductile Iron w LF Brass Pilot	1	35	4,970.00
LFM115 Globe Threaded	8963-36	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,192.00
LFM115 Globe 150# Flanged	V8963-13	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,276.00
LFM115 Globe Threaded	2600-79	3"	Ductile Iron w LF Brass Pilot	1	70	5,616.00
LFM115 Globe 150# Flanged	2600-80	3"	Ductile Iron w LF Brass Pilot	1	70	5,708.00
LFM115 Globe 150# Flanged	V9944-17	4"	Ductile Iron w LF Brass Pilot	1	120	8,782.00
LFM115 Globe 150# Flanged	9777-87	6"	Ductile Iron w LF Brass Pilot	1	220	11,013.00

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

## Automatic Control Valves

## "M" Series



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFM115-3 Globe / LFM115-3 Angle****Pressure Reducing and Check Valve (30-300 psi Pilot adjustment range)**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM115-3 Globe Threaded	8536-15	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 5,036.00
LFM115-3 Globe Threaded	7618-21	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	5,036.00
LFM115-3 Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFM115-3 Globe Threaded	4219-34	2"	Ductile Iron w LF Brass Pilot	1	35	5,123.00
LFM115-3 Globe 150# Flanged	V4219-21	2"	Ductile Iron w LF Brass Pilot	1	35	3,968.00
LFM115-3 Globe 300# Flanged	4219-48	2"	Ductile Iron w LF Brass Pilot	1	35	5,825.00
LFM115-3 Globe Threaded	7211-31	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,996.00
LFM115-3 Globe 150# Flanged	7211-17	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,811.00
LFM115-3 Globe 300# Flanged	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-3 Globe Threaded	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFM115-3 Globe 150# Flanged	8780-37	3"	Ductile Iron w LF Brass Pilot	1	70	6,488.00
LFM115-3 Globe 300# Flanged	8780-20	3"	Ductile Iron w LF Brass Pilot	1	70	6,390.00
LFM115-3 Globe 150# Flanged	8842-14	4"	Ductile Iron w LF Brass Pilot	1	120	7,472.00
LFM115-3 Globe 300# Flanged	8842-13	4"	Ductile Iron w LF Brass Pilot	1	120	7,066.00
LFM115-3 Globe 150# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFM115-3 Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFM115-3 Globe 150# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	425	CF**
LFM115-3 Globe 300# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	425	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFM115-7 Globe / LFM115-7 Angle****Pressure Reducing and Downstream Surge Control Valve (30-300 psi Pilot adjustment range)**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM115-7 Globe Threaded	2401-06	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 5,287.00
LFM115-7 Globe Threaded	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFM115-7 Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFM115-7 Globe Threaded	8917-14	2"	Ductile Iron w LF Brass Pilot	1	35	5,370.00
LFM115-7 Globe 150# Flanged	8917-10	2"	Ductile Iron w LF Brass Pilot	1	35	4,195.00
LFM115-7 Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFM115-7 Globe Threaded	8492-18	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	6,211.00
LFM115-7 Globe 150# Flanged	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFM115-7 Globe 300# Flanged	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-7 Globe Threaded	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFM115-7 Globe 150# Flanged	8918-17	3"	Ductile Iron w LF Brass Pilot	1	70	6,722.00
LFM115-7 Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFM115-7 Globe Class 150 Flanged	8966-13	4"	Ductile Iron w LF Brass Pilot	1	120	8,178.00
LFM115-7 Globe Class 300 Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
LFM115-7 Globe Class 150 Flanged	5605-21	6"	Ductile Iron w LF Brass Pilot	1	220	10,216.00
LFM115-7 Globe Class 300 Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFM115-7 Globe Class 150 Flanged	8776-05	8"	Ductile Iron w LF Brass Pilot	1	425	18,797.00
LFM115-7 Globe Class 300 Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	425	CF**

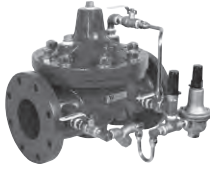
CF\*\* - Consult Factory

For Threaded Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# Automatic Control Valves

# "M" Series



Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFM115-74 Globe / LFM1115-74 Angle

### Pressure Reducing Control Valve with Low Flow By-Pass (30-300 psi Pilot adjustment range)

Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM115-74 Globe Threaded	20 - 200psi	CF**	1 1/4"	Ductile Iron w LF Brass Pilot	1	40	\$ CF**
LFM115-74 Globe Threaded	20 - 200psi	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe 150# Flanged	20 - 200psi	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe Threaded	20 - 200psi	8711-14	2"	Ductile Iron w LF Brass Pilot	1	40	4,844.00
LFM115-74 Globe 150# Flanged	20 - 200psi	8994-25	2"	Ductile Iron w LF Brass Pilot	1	40	4,991.00
LFM115-74 Globe 300# Flanged	20 - 200psi	CF**	2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe Threaded	20 - 200psi	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-74 Globe 150# Flanged	20 - 200psi	8711-13	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	5,083.00
LFM115-74 Globe 300# Flanged	20 - 200psi	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-74 Globe Threaded	20 - 200psi	8994-27	3"	Ductile Iron w LF Brass Pilot	1	75	5,621.00
LFM115-74 Globe 150# Flanged	20 - 200psi	8994-11	3"	Ductile Iron w LF Brass Pilot	1	75	5,628.00
LFM115-74 Globe 300# Flanged	20 - 200psi	CF**	3"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-74 Globe 150# Flanged	20 - 200psi	8583-09	4"	Ductile Iron w LF Brass Pilot	1	125	9,553.00
LFM115-74 Globe 300# Flanged	20 - 200psi	CF**	4"	Ductile Iron w LF Brass Pilot	1	125	CF**
LFM115-74 Globe 150# Flanged	20 - 200psi	8853-10	6"	Ductile Iron w LF Brass Pilot	1	230	10,095.00
LFM115-74 Globe 300# Flanged	20 - 200psi	CF**	6"	Ductile Iron w LF Brass Pilot	1	230	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFM115-74 Globe / LFM1115-74 Angle

### Pressure Reducing Control Valve with Low Flow By-Pass (30-300 psi Pilot adjustment range)

Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM115-74 Globe Threaded	50 - 145psi	CF**	1 1/4"	Ductile Iron w LF Brass Pilot	1	40	\$ CF**
LFM115-74 Globe Threaded	50 - 145psi	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe 150# Flanged	50 - 145psi	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe Threaded	50 - 145psi	8711-43	2"	Ductile Iron w LF Brass Pilot	1	40	4,844.00
LFM115-74 Globe 150# Flanged	50 - 145psi	8711-45	2"	Ductile Iron w LF Brass Pilot	1	40	4,991.00
LFM115-74 Globe 300# Flanged	50 - 145psi	CF**	2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe Threaded	50 - 145psi	8711-46	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	5,227.00
LFM115-74 Globe 150# Flanged	50 - 145psi	8711-48	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	5,083.00
LFM115-74 Globe 300# Flanged	50 - 145psi	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-74 Globe Threaded	50 - 145psi	8711-49	3"	Ductile Iron w LF Brass Pilot	1	75	5,621.00
LFM115-74 Globe 150# Flanged	50 - 145psi	8711-51	3"	Ductile Iron w LF Brass Pilot	1	75	5,628.00
LFM115-74 Globe 300# Flanged	50 - 145psi	CF**	3"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-74 Globe 150# Flanged	50 - 145psi	8583-29	4"	Ductile Iron w LF Brass Pilot	1	125	9,553.00
LFM115-74 Globe 300# Flanged	50 - 145psi	CF**	4"	Ductile Iron w LF Brass Pilot	1	125	CF**
LFM115-74 Globe 150# Flanged	50 - 145psi	8583-31	6"	Ductile Iron w LF Brass Pilot	1	230	10,095.00
LFM115-74 Globe 300# Flanged	50 - 145psi	CF**	6"	Ductile Iron w LF Brass Pilot	1	230	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# Automatic Control Valves

# "M" Series



Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFM115-74 Globe / LFM1115-74 Angle

### Pressure Reducing Control Valve with Low Flow By-Pass (30-300 psi Pilot adjustment range)

Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM115-74 Globe Threaded	25 - 75psi	CF*	1 1/4"	Ductile Iron w LF Brass Pilot	1	40	\$ CF**
LFM115-74 Globe Threaded	25 - 75psi	CF*	1 1/2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe 150# Flanged	25 - 75psi	CF*	1 1/2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe Threaded	25 - 75psi	8711-25	2"	Ductile Iron w LF Brass Pilot	1	40	4,844.00
LFM115-74 Globe 150# Flanged	25 - 75psi	8711-27	2"	Ductile Iron w LF Brass Pilot	1	40	4,991.00
LFM115-74 Globe 300# Flanged	25 - 75psi	CF*	2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFM115-74 Globe Threaded	25 - 75psi	8711-28	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	5,227.00
LFM115-74 Globe 150# Flanged	25 - 75psi	8711-30	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	5,083.00
LFM115-74 Globe 300# Flanged	25 - 75psi	CF*	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-74 Globe Threaded	25 - 75psi	8711-31	3"	Ductile Iron w LF Brass Pilot	1	75	5,621.00
LFM115-74 Globe 150# Flanged	25 - 75psi	8711-33	3"	Ductile Iron w LF Brass Pilot	1	75	5,628.00
LFM115-74 Globe 300# Flanged	25 - 75psi	CF*	3"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFM115-74 Globe 150# Flanged	25 - 75psi	8583-21	4"	Ductile Iron w LF Brass Pilot	1	125	9,553.00
LFM115-74 Globe 300# Flanged	25 - 75psi	CF*	4"	Ductile Iron w LF Brass Pilot	1	125	CF**
LFM115-74 Globe 150# Flanged	25 - 75psi	8583-23	6"	Ductile Iron w LF Brass Pilot	1	230	10,095.00
LFM115-74 Globe 300# Flanged	25 - 75psi	CF*	6"	Ductile Iron w LF Brass Pilot	1	230	CF**

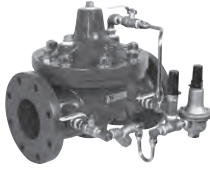
CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# Automatic Control Valves

# "M" Series



Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFM115-74 Globe / LFM1115-74 Angle with Gauges and Postion Indicator

### Pressure Reducing Control Valve with Low Flow By-Pass (30-300 psi Pilot adjustment range)

LFM115-74 Globe Threaded	20 - 200psi	8711-23	2"	Ductile Iron w LF Brass Pilot	1	40	\$ 5,722.00
LFM115-74 Globe 150# Flanged	20 - 200psi	8711-19	2"	Ductile Iron w LF Brass Pilot	1	40	5,888.00
LFM115-74 Globe Threaded	20 - 200psi	8711-17	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	6,107.00
LFM115-74 Globe 150# Flanged	20 - 200psi	8711-20	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	6,192.00
LFM115-74 Globe Threaded	20 - 200psi	8711-18	3"	Ductile Iron w LF Brass Pilot	1	75	6,577.00
LFM115-74 Globe 150# Flanged	20 - 200psi	8711-21	3"	Ductile Iron w LF Brass Pilot	1	75	6,668.00
LFM115-74 Globe 150# Flanged	20 - 200psi	8711-22	4"	Ductile Iron w LF Brass Pilot	1	125	7,489.00

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFM115-74 Globe / LFM1115-74 Angle with Gauges and Postion Indicator

### Pressure Reducing Control Valve with Low Flow By-Pass (30-300 psi Pilot adjustment range)

LFM115-74 Globe Threaded	50 - 145psi	8711-52	2"	Ductile Iron w LF Brass Pilot	1	40	\$ 5,722.00
LFM115-74 Globe 150# Flanged	50 - 145psi	8711-54	2"	Ductile Iron w LF Brass Pilot	1	40	5,888.00
LFM115-74 Globe Threaded	50 - 145psi	8711-55	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	6,107.00
LFM115-74 Globe 150# Flanged	50 - 145psi	8711-57	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	6,192.00
LFM115-74 Globe Threaded	50 - 145psi	8711-58	3"	Ductile Iron w LF Brass Pilot	1	75	6,577.00
LFM115-74 Globe 150# Flanged	50 - 145psi	8711-60	3"	Ductile Iron w LF Brass Pilot	1	75	6,668.00
LFM115-74 Globe 150# Flanged	50 - 145psi	8583-33	4"	Ductile Iron w LF Brass Pilot	1	125	7,489.00

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Model	Low Flow Bypass adjustment range	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFM115-74 Globe / LFM1115-74 Angle with Gauges and Postion Indicator

### Pressure Reducing Control Valve with Low Flow By-Pass (30-300 psi Pilot adjustment range)

LFM115-74 Globe Threaded	25 - 75psi	8711-34	2"	Ductile Iron w LF Brass Pilot	1	40	\$ 5,722.00
LFM115-74 Globe 150# Flanged	25 - 75psi	8711-36	2"	Ductile Iron w LF Brass Pilot	1	40	5,888.00
LFM115-74 Globe Threaded	25 - 75psi	8711-37	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	6,107.00
LFM115-74 Globe 150# Flanged	25 - 75psi	8711-39	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	6,192.00
LFM115-74 Globe Threaded	25 - 75psi	8711-40	3"	Ductile Iron w LF Brass Pilot	1	75	6,577.00
LFM115-74 Globe 150# Flanged	25 - 75psi	8711-42	3"	Ductile Iron w LF Brass Pilot	1	75	6,668.00
LFM115-74 Globe 150# Flanged	25 - 75psi	8583-25	4"	Ductile Iron w LF Brass Pilot	1	125	7,489.00

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



## Automatic Control Valves

## "M" Series



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFM116 Globe / LFM1116 Angle****Pressure Relief, Sustaining or Backpressure Control Valve (20 - 200 psi Pilot adjustment range)**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM116 Globe Threaded	CF**	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ CF**
LFM116 Globe Threaded	8520-25	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	4,011.00
LFM116 Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFM116 Globe 150# Flanged	8499-33	2"	Ductile Iron w LF Brass Pilot	1	35	4,820.00
LFM116 Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFM116 Globe Threaded	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFM116 Globe 150# Flanged	9037-13	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,063.00
LFM116 Globe 300# Flanged	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFM116 Globe Threaded	8935-18	3"	Ductile Iron w LF Brass Pilot	1	70	5,278.00
LFM116 Globe 150# Flanged	8953-19	3"	Ductile Iron w LF Brass Pilot	1	70	3,920.00
LFM116 Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFM116 Globe 150# Flanged	8183-27	4"	Ductile Iron w LF Brass Pilot	1	120	8,013.00
LFM116 Globe 300# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
LFM116 Globe 150# Flanged	2198-11	6"	Ductile Iron w LF Brass Pilot	1	220	11,196.00
LFM116 Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFM116 Globe 150# Flanged	7039-22	8"	Ductile Iron w LF Brass Pilot	1	425	18,399.00
LFM116 Globe 300# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	425	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

*Optional 100-300 psi range., See ACV Options sheet*

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFM116-BT Globe / LFM1116-BT Angle****High Pressure Safety Shutoff Valve (20 - 200 psi Pilot adjustment range)**

Available in sizes 1 1/4" - 6". Price includes Basic Valve with anti-scale trim (Xylan coated seat and stem), Position Indicator, Heavy cover spring, and Manual reset.

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFM116-BT Globe Threaded	244791	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 4,475.00
LFM116-BT Globe Threaded	244792	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	4,606.00
LFM116-BT Globe 150# Flanged	244793	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	5,112.00
LFM116-BT Globe Threaded	244794	2"	Ductile Iron w LF Brass Pilot	1	35	4,965.00
LFM116-BT Globe 150# Flanged	244795	2"	Ductile Iron w LF Brass Pilot	1	35	5,171.00
LFM116-BT Globe 300# Flanged	244784	2"	Ductile Iron w LF Brass Pilot	1	35	5,875.00
LFM116-BT Globe Threaded	244785	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,419.00
LFM116-BT Globe 150# Flanged	244786	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,472.00
LFM116-BT Globe 300# Flanged	244787	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,600.00
LFM116-BT Globe Threaded	244788	3"	Ductile Iron w LF Brass Pilot	1	70	5,419.00
LFM116-BT Globe 150# Flanged	244789	3"	Ductile Iron w LF Brass Pilot	1	70	5,912.00
LFM116-BT Globe 300# Flanged	244790	3"	Ductile Iron w LF Brass Pilot	1	70	6,188.00
LFM116-BT Globe 150# Flanged	244796	4"	Ductile Iron w LF Brass Pilot	1	120	8,156.00
LFM116-BT Globe 300# Flanged	244797	4"	Ductile Iron w LF Brass Pilot	1	120	8,193.00
LFM116-BT Globe 150# Flanged	244798	6"	Ductile Iron w LF Brass Pilot	1	220	10,905.00
LFM116-BT Globe 300# Flanged	244799	6"	Ductile Iron w LF Brass Pilot	1	220	11,473.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# Automatic Control Valves

# "M" Series

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## M1116FH Angle

### Fire Hydrant Relief Valve (20 - 200psi Pilot adjustment range)

<b>LEAD FREE*</b>	M1116FH Angle Threaded	VT030504	2"	Ductile Iron	1	45	\$ 4,409.00
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## ACV Options (M series): List Price Adders

Model	Size (in.)	Description	List Price (each)
LFM116/LFM1116	All	100-300 PSIG Range	Add \$272.00
LFM110-14/LFM1110-14	All	Float Rods	Add \$66.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

## Automatic Control Valves

## "F" Series



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFF110-10 Globe / LFF110-10 Angle****Float Control - Modulating (Constant Level)**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFF110-10 Globe Threaded	T784605	1 1/4"	Ductile Iron w LF Brass Pilot	1	25	\$ 4,834.00
LFF110-10 Globe Threaded	T526912	1 1/2"	Ductile Iron w LF Brass Pilot	1	25	5,340.00
LFF110-10 Globe 150# Flanged	T766708	1 1/2"	Ductile Iron w LF Brass Pilot	1	25	5,131.00
LFF110-10 Globe Threaded	T013806	2"	Ductile Iron w LF Brass Pilot	1	25	4,918.00
LFF110-10 Globe 150# Flanged	T860102	2"	Ductile Iron w LF Brass Pilot	1	25	5,160.00
LFF110-10 Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	25	CF**
LFF110-10 Globe Threaded	T722009	2 1/2"	Ductile Iron w LF Brass Pilot	1	60	5,768.00
LFF110-10 Globe 150# Flanged	t722008	2 1/2"	Ductile Iron w LF Brass Pilot	1	60	5,809.00
LFF110-10 Globe Threaded	CF**	3"	Ductile Iron w LF Brass Pilot	1	60	CF**
LFF110-10 Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	60	CF**
LFF110-10 Globe 150# Flanged	4480-06	4"	Ductile Iron w LF Brass Pilot	1	100	8,167.00
LFF110-10 Globe 300# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	100	CF**
LFF110-10 Globe 150# Flanged	4481-03	6"	Ductile Iron w LF Brass Pilot	1	195	11,468.00
LFF110-10 Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	195	CF**
LFF110-10 Globe 150# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	415	CF**
LFF110-10 Globe 300# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	415	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves - Consult Factory for Ordering Code

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFF110-14 Globe / LFF110-14 Angle On/Off (open/closed)****Float Control Valve (Adjustable Hi/Lo level) On/Off Float Valve**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFF110-14 Globe Threaded	T713315	1 1/4"	Ductile Iron w SS Pilot	1	35	\$ 3,425.00
LFF110-14 Globe Threaded	T259910	1 1/2"	Ductile Iron w SS Pilot	1	35	3,457.00
LFF110-14 Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w SS Pilot	1	35	CF**
LFF110-14 Globe Threaded	T689016	2"	Ductile Iron w SS Pilot	1	35	4,035.00
LFF110-14 Globe 150# Flanged	T689021	2"	Ductile Iron w SS Pilot	1	35	3,908.00
LFF110-14 Globe 300# Flanged	CF**	2"	Ductile Iron w SS Pilot	1	35	CF**
LFF110-14 Globe Threaded	CF**	2 1/2"	Ductile Iron w SS Pilot	1	70	CF**
LFF110-14 Globe 150# Flanged	T065403	2 1/2"	Ductile Iron w SS Pilot	1	70	4,684.00
LFF110-14 Globe Threaded	CF**	3"	Ductile Iron w SS Pilot	1	70	CF**
LFF110-14 Globe 150# Flanged	6834-04	3"	Ductile Iron w SS Pilot	1	70	4,803.00
LFF110-14 Globe 300# Flanged	CF**	3"	Ductile Iron w SS Pilot	1	70	CF**
LFF110-14 Globe 150# Flanged	7420-08	4"	Ductile Iron w SS Pilot	1	110	6,629.00
LFF110-14 Globe 300# Flanged	CF**	4"	Ductile Iron w SS Pilot	1	110	CF**
LFF110-14 Globe 150# Flanged	8119-06	6"	Ductile Iron w SS Pilot	1	220	9,938.00
LFF110-14 Globe 300# Flanged	CF**	6"	Ductile Iron w SS Pilot	1	220	CF**
LFF110-14 Globe 150# Flanged	6680-09	8"	Ductile Iron w SS Pilot	1	425	18,997.00
LFF110-14 Globe 300# Flanged	CF**	8"	Ductile Iron w SS Pilot	1	425	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves - Consult Factory for Ordering Code

Valve standard with stainless rods/plastic float. Size 2" - 6" std. with (2) 12" rods. Sizes 8" - 16" std. with (4) 12" rods.

Additional Rods: LF Series Stainless Steel 12", see ACV options

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# Automatic Control Valves

# "F" Series

Pressure Regulators & Automatic Control Valves



## LFF113-FP Globe / LFF1113-FP Angle

### Flood Prevention Solenoid On/Off valve

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFF113FP Globe Threaded	8800-11	1 1/4"	Ductile Iron w SS Pilot	1	35	\$ 16,073.00
LFF113FP Globe Threaded	8800-12	1 1/2"	Ductile Iron w SS Pilot	1	35	16,073.00
LFF113FP Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w SS Pilot	1	35	CF**
LFF113FP Globe Threaded	8800-13	2"	Ductile Iron w SS Pilot	1	35	16,619.00
LFF113FP Globe 150# Flanged	8800-14	2"	Ductile Iron w SS Pilot	1	35	16,653.00
LFF113FP Globe 300# Flanged	CF**	2"	Ductile Iron w SS Pilot	1	35	CF**
LFF113FP Globe Threaded	CF**	2 1/2"	Ductile Iron w SS Pilot	1	70	CF**
LFF113FP Globe 150# Flanged	8800-15	2 1/2"	Ductile Iron w SS Pilot	1	70	16,676.00
LFF113FP Globe Threaded	CF**	3"	Ductile Iron w SS Pilot	1	70	CF**
LFF113FP Globe 150# Flanged	8800-16	3"	Ductile Iron w SS Pilot	1	70	17,035.00
LFF113FP Globe 300# Flanged	CF**	3"	Ductile Iron w SS Pilot	1	70	CF**
LFF113FP Globe 150# Flanged	8800-17	4"	Ductile Iron w SS Pilot	1	120	20,119.00
LFF113FP Globe 300# Flanged	CF**	4"	Ductile Iron w SS Pilot	1	120	CF**
LFF113FP Globe 150# Flanged	8800-18	6"	Ductile Iron w SS Pilot	1	220	21,951.00
LFF113FP Globe 300# Flanged	CF**	6"	Ductile Iron w SS Pilot	1	220	CF**
LFF113FP Globe 150# Flanged	8800-19	8"	Ductile Iron w SS Pilot	1	425	23,568.00
LFF113FP Globe 300# Flanged	CF**	8"	Ductile Iron w SS Pilot	1	425	CF**
LFM113FP Globe 150# Flanged	8800-10	10"	Ductile Iron w SS Pilot	1	CF**	25,341.00

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves - Consult Factory for Ordering Code

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFF115 Globe / LFF1115 Angle

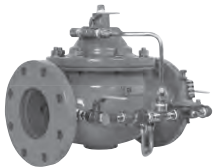
### Pressure Reducing Control Valve (20 - 175 psi Pilot adjustment range)

LFF115 Globe Threaded	VT200003	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 3,847.00
LFF115 Globe Threaded	VT200203	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	3,847.00
LFF115 Globe 150# Flanged	T761110	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	4,050.00
LFF115 Globe Threaded	VT200403	2"	Ductile Iron w LF Brass Pilot	1	35	3,935.00
LFF115 Globe 150# Flanged	VT200503	2"	Ductile Iron w LF Brass Pilot	1	35	4,962.00
LFF115 Globe 300# Flanged	T800511	2"	Ductile Iron w LF Brass Pilot	1	35	5,152.00
LFF115 Globe Threaded	VT200803	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	4,818.00
LFF115 Globe 150# Flanged	VT200903	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,112.00
LFF115 Globe Threaded	V2012-03	3"	Ductile Iron w LF Brass Pilot	1	70	4,937.00
LFF115 Globe 150# Flanged	V2013-03	3"	Ductile Iron w LF Brass Pilot	1	70	5,319.00
LFF115 Globe 300# Flanged	2600-31	3"	Ductile Iron w LF Brass Pilot	1	70	5,531.00
LFF115 Globe 150# Flanged	2016-04	4"	Ductile Iron w LF Brass Pilot	1	120	6,833.00
LFF115 Globe 300# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
LFF115 Globe 150# Flanged	2018-04	6"	Ductile Iron w LF Brass Pilot	1	220	10,153.00
LFF115 Globe 300# Flanged	8903-46	6"	Ductile Iron w LF Brass Pilot	1	220	10,992.00
LFF115 Globe 150# Flanged	4949-05	8"	Ductile Iron w LF Brass Pilot	1	425	17,719.00
LFF115 Globe 300# Flanged	4949-59	8"	Ductile Iron w LF Brass Pilot	1	425	20,764.00

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Optional 100-300 psi range. See ACV options



\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Automatic Control Valves

## "F" Series

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFF115-2 Globe / LFF1115-2 Angle****Pressure Reducing and (Back Pressure) Sustaining Control Valve (20 - 175 psi Pilot adjustment range)**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFF115-2 Globe Threaded	T203603	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 5,390.00
LFF115-2 Globe Threaded	T203803	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	5,417.00
LFF115-2 Globe 150# Flanged	T873008	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	5,564.00
LFF115-2 Globe Threaded	T204003	2"	Ductile Iron w LF Brass Pilot	1	35	5,481.00
LFF115-2 Globe 150# Flanged	T206103	2"	Ductile Iron w LF Brass Pilot	1	35	5,726.00
LFF115-2 Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF115-2 Globe Threaded	T099303	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	6,328.00
LFF115-2 Globe 150# Flanged	T204503	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	6,376.00
LFF115-2 Globe Threaded	2048-03	3"	Ductile Iron w LF Brass Pilot	1	70	6,527.00
LFF115-2 Globe 150# Flanged	2049-03	3"	Ductile Iron w LF Brass Pilot	1	70	6,850.00
LFF115-2 Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFF115-2 Globe 150# Flanged	2052-04	4"	Ductile Iron w LF Brass Pilot	1	120	8,290.00
LFF115-2 Globe 300# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
LFF115-2 Globe 150# Flanged	2054-04	6"	Ductile Iron w LF Brass Pilot	1	220	11,563.00
LFF115-2 Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFF115-2 Globe 150# Flanged	8890-06	8"	Ductile Iron w LF Brass Pilot	1	425	19,662.00
LFF115-2 Globe 300# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	425	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Optional 100-300 psi range. See ACV options

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**LFF115-3 Globe / LFF1115-3 Angle****Pressure Reducing and Check Valve (20 - 175 psi Pilot adjustment range)**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFF115-3 Globe Threaded	T853609	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 4,624.00
LFF115-3 Globe Threaded	T761812	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	4,624.00
LFF115-3 Globe 150# Flanged	T761808	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	4,972.00
LFF115-3 Globe Threaded	VT207603	2"	Ductile Iron w LF Brass Pilot	1	35	4,709.00
LFF115-3 Globe 150# Flanged	T207703	2"	Ductile Iron w LF Brass Pilot	1	35	5,734.00
LFF115-3 Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF115-3 Globe Threaded	T721128	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,606.00
LFF115-3 Globe 150# Flanged	T208103	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,925.00
LFF115-3 Globe Threaded	2084-03	3"	Ductile Iron w LF Brass Pilot	1	70	5,722.00
LFF115-3 Globe 150# Flanged	2085-03	3"	Ductile Iron w LF Brass Pilot	1	70	6,109.00
LFF115-3 Globe 300# Flanged	8096-04	3"	Ductile Iron w LF Brass Pilot	1	70	6,513.00
LFF115-3 Globe 150# Flanged	2088-06	4"	Ductile Iron w LF Brass Pilot	1	120	7,615.00
LFF115-3 Globe 300# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
LFF115-3 Globe 150# Flanged	2090-03	6"	Ductile Iron w LF Brass Pilot	1	220	11,136.00
LFF115-3 Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFF115-3 Globe 150# Flanged	7981-04	8"	Ductile Iron w LF Brass Pilot	1	425	17,990.00
LFF115-3 Globe 300# Flanged	7564-08	8"	Ductile Iron w LF Brass Pilot	1	425	21,539.00

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

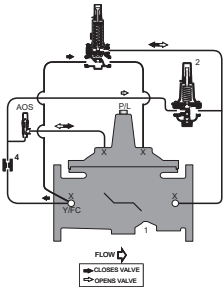
Optional 100-300 psi range. See ACV options

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Automatic Control Valves

# "F" Series



## LFF115-7 Globe / LFF115-7 Angle

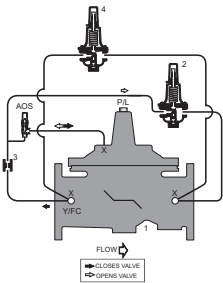
### Pressure Reducing and Downstream Surge Control Valve (20 - 175 psi Pilot adjustment range)

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFF115-7 Globe Threaded	T210803	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 5,390.00
LFF115-7 Globe Threaded	T211003	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	5,417.00
LFF115-7 Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF115-7 Globe Threaded	T211203	2"	Ductile Iron w LF Brass Pilot	1	35	5,481.00
LFF115-7 Globe 150# Flanged	T211303	2"	Ductile Iron w LF Brass Pilot	1	35	5,734.00
LFF115-7 Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF115-7 Globe Threaded	T849215	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	6,329.00
LFF115-7 Globe 150# Flanged	T211703	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	6,376.00
LFF115-7 Globe Threaded	8918-16	3"	Ductile Iron w LF Brass Pilot	1	70	6,963.00
LFF115-7 Globe 150# Flanged	2121-03	3"	Ductile Iron w LF Brass Pilot	1	70	6,850.00
LFF115-7 Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFF115-7 Globe Class 150 Flanged	2124-05	4"	Ductile Iron w LF Brass Pilot	1	120	7,721.00
LFF115-7 Globe Class 150 Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
LFF115-7 Globe Class 150 Flanged	2126-04	6"	Ductile Iron w LF Brass Pilot	1	220	11,562.00
LFF115-7 Globe Class 150 Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFF115-7 Globe Class 150 Flanged	8776-07	8"	Ductile Iron w LF Brass Pilot	1	425	19,159.00
LFF115-7 Globe Class 150 Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	425	CF**

CF\*\* - Consult Factory

For Threaded Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Optional 100-300 psi range. See ACV options



## LFF115-74 Globe / LFF115-74 Angle

### Pressure Reducing Control Valve with Low Flow By-Pass (20 - 175 psi Pilot adjustment range)

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFF115-74 Globe Threaded	T899809	1 1/4"	Ductile Iron w LF Brass Pilot	1	40	\$ 4,700.00
LFF115-74 Globe Threaded	T083802	1 1/2"	Ductile Iron w LF Brass Pilot	1	40	4,703.00
LFF115-74 Globe 150# Flanged	T083803	1 1/2"	Ductile Iron w LF Brass Pilot	1	40	4,703.00
LFF115-74 Globe Threaded	T231805	2"	Ductile Iron w LF Brass Pilot	1	40	4,783.00
LFF115-74 Globe 150# Flanged	T231804	2"	Ductile Iron w LF Brass Pilot	1	40	5,354.00
LFF115-74 Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	40	CF**
LFF115-74 Globe Threaded	T871111	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	5,327.00
LFF115-74 Globe 150# Flanged	T871117	2 1/2"	Ductile Iron w LF Brass Pilot	1	75	5,550.00
LFF115-74 Globe Threaded	8994-17	3"	Ductile Iron w LF Brass Pilot	1	75	5,484.00
LFF115-74 Globe 150# Flanged	8994-16	3"	Ductile Iron w LF Brass Pilot	1	75	5,737.00
LFF115-74 Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	75	CF**
LFF115-74 Globe 150# Flanged	8583-12	4"	Ductile Iron w LF Brass Pilot	1	125	7,028.00
LFF115-74 Globe 300# Flanged	8583-16	4"	Ductile Iron w LF Brass Pilot	1	125	7,313.00
LFF115-74 Globe 150# Flanged	8853-11	6"	Ductile Iron w LF Brass Pilot	1	230	10,231.00
LFF115-74 Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	230	CF**

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Optional 100-300 psi range. See ACV options

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Automatic Control Valves

# "F" Series

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## "JM" Series Pressure Reducing Control Valves

Special 12 1/4" lay length to match 4" Watts Regulator Model 127W direct acting pressure reducing valve for retrofit applications. End Connection: 150# ANSI Flanged

Globe pattern, reduced port, ductile iron body and cover with NSF Approved heat fusion bonded epoxy coating (100% inside and out). Exclusive "Quad Seal" seat disc for positive drip-tight closure. Long life non-edged stainless steel seat, FDA Approved Buna-N diaphragm, Top and bottom guided stem with position indicator, Pilot system isolation ball valves and Upstream and Downstream gauge connections. Downstream pressure adjustment range: 30-300psi."

### LFF6115-JM

#### Pressure Reducing Control Valve (flow range: 30 - 580 gpm)

<b>LEAD FREE*</b>	LFF6115-JM	V234801	4"	1	93	\$ 6,902.00
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#### Pressure Reducing and Downstream Surge Control Valve (flow range: 30 - 580 gpm)

<b>LEAD FREE*</b>	LFF6115-7JM	V234802	4"	1	135	\$ 8,057.00
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#### Pressure Reducing Control Valve w/ 3/4" 223HP Low Flow (flow range: 1 - 580 gpm)

<b>LEAD FREE*</b>	LFF6115-74JM	V234803	4"	1	130	\$ 8,156.00
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Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### LFF116 Globe / LFF1116 Angle

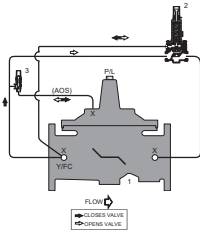
#### Pressure Relief, Sustaining or Backpressure Control Valve (20 - 200 psi Pilot adjustment range)

<b>LEAD FREE*</b>	LFF116 Globe Threaded	T716130	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	\$ 4,088.00
	LFF116 Globe Threaded	T218203	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	4,088.00
	LFF116 Globe 150# Flanged	T852028	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	4,819.00
	LFF116 Globe Threaded	T218403	2"	Ductile Iron w LF Brass Pilot	1	35	4,196.00
	LFF116 Globe 150# Flanged	T218503	2"	Ductile Iron w LF Brass Pilot	1	35	4,887.00
	LFF116 Globe 300# Flanged	T484604	2"	Ductile Iron w LF Brass Pilot	1	35	4,803.00
	LFF116 Globe Threaded	T218803	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,088.00
	LFF116 Globe 150# Flanged	T218903	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	5,160.00
	LFF116 Globe Threaded	2192-03	3"	Ductile Iron w LF Brass Pilot	1	70	5,379.00
	LFF116 Globe 150# Flanged	V2193-03	3"	Ductile Iron w LF Brass Pilot	1	70	5,642.00
	LFF116 Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
	LFF116 Globe 150# Flanged	2196-03	4"	Ductile Iron w LF Brass Pilot	1	120	8,121.00
	LFF116 Globe 300# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
	LFF116 Globe 150# Flanged	2198-03	6"	Ductile Iron w LF Brass Pilot	1	220	11,428.00
	LFF116 Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
	LFF116 Globe 150# Flanged	7039-04	8"	Ductile Iron w LF Brass Pilot	1	425	18,671.00
LFF116 Globe 300# Flanged	CF**	8"	Ductile Iron w LF Brass Pilot	1	425	CF**	

CF\*\* - Consult Factory

For Angle Valves List Price is the Same as Globe Valves- Consult Factory for Ordering Code

Optional 100-300 psi range. See ACV options



\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Automatic Control Valves

# "F" Series

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFF116-BT Globe / LFF1116-BT Angle

### High Pressure Safety Shutoff Valve (20 - 200 psi Pilot adjustment range)

Available in sizes 1 1/4" - 6". Price includes Basic Valve with anti-scale trim (Xylan coated seat and stem), Position Indicator, Heavy cover spring, and Manual reset.

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFF116-BT Globe Threaded	CF**	1 1/4"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF116-BT Globe Threaded	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF116-BT Globe 150# Flanged	CF**	1 1/2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF116-BT Globe Threaded	CF**	2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF116-BT Globe 150# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF116-BT Globe 300# Flanged	CF**	2"	Ductile Iron w LF Brass Pilot	1	35	CF**
LFF116-BT Globe Threaded	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFF116-BT Globe 150# Flanged	CF**	2 1/2"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFF116-BT Globe Threaded	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFF116-BT Globe 150# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFF116-BT Globe 300# Flanged	CF**	3"	Ductile Iron w LF Brass Pilot	1	70	CF**
LFF116-BT Globe 150# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
LFF116-BT Globe 300# Flanged	CF**	4"	Ductile Iron w LF Brass Pilot	1	120	CF**
LFF116-BT Globe 150# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**
LFF116-BT Globe 300# Flanged	CF**	6"	Ductile Iron w LF Brass Pilot	1	220	CF**

## ACV Options (F series): List Price Adders

Model	Size (in.)	Description	List Price (each)
LFF110-14/LFF1110-14	All	Float Rods	Add \$66.00
LFF115/LFF1115	All	100-300 PSIG Range	Add \$272.00
LFF115-2/LFF1115-2	All	100-300 PSIG Range	Add \$272.00
LFF115-7/LFF1115-7	All	100-300 PSIG Range	Add \$272.00
LFF115-74/LFF1115-74	All	100-300 PSIG Range	Add \$272.00
LFF116/LFF1116	All	100-300 PSIG Range	Add \$272.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Automatic Control Valves

## Fire



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**M115F Globe****Pressure Reducing Valve - UL Listed**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
M115F Globe Grooved	4402-03	2"	Ductile Iron	1	35	\$ 4,067.00
M115F Globe Threaded	4402-04	2"	Ductile Iron	1	35	3,560.00
M115F Globe 150# Flanged	4402-01	2"	Ductile Iron	1	35	4,067.00
M115F Globe 300# Flanged	4402-02	2"	Ductile Iron	1	35	4,362.00
M115F Globe Grooved	4403-07	2 1/2"	Ductile Iron	1	70	4,590.00
M115F Globe Threaded	4403-04	2 1/2"	Ductile Iron	1	70	4,393.00
M115F Globe 150# Flanged	4403-05	2 1/2"	Ductile Iron	1	70	4,590.00
M115F Globe 300# Flanged	4403-06	2 1/2"	Ductile Iron	1	70	5,341.00
M115F Globe Grooved	4404-03	3"	Ductile Iron	1	70	4,930.00
M115F Globe Threaded	4404-04	3"	Ductile Iron	1	70	4,426.00
M115F Globe 150# Flanged	4404-01	3"	Ductile Iron	1	70	4,930.00
M115F Globe 300# Flanged	4404-02	3"	Ductile Iron	1	70	5,589.00
M115F Globe Grooved	4405-03	4"	Ductile Iron	1	120	6,522.00
M115F Globe 150# Flanged	4405-01	4"	Ductile Iron	1	120	6,522.00
M115F Globe 300# Flanged	4405-02	4"	Ductile Iron	1	120	7,590.00
M115F Globe Grooved	4406-03	6"	Ductile Iron	1	220	9,627.00
M115F Globe 150# Flanged	4406-01	6"	Ductile Iron	1	220	9,627.00
M115F Globe 300# Flanged	4406-02	6"	Ductile Iron	1	220	10,106.00
M115F Globe Grooved	4407-03	8"	Ductile Iron	1	425	15,069.00
M115F Globe 150# Flanged	4407-01	8"	Ductile Iron	1	425	15,069.00
M115F Globe 300# Flanged	4407-02	8"	Ductile Iron	1	425	15,563.00

LEAD FREE\*



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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**M1115F Angle****Pressure Reducing Valve - UL Listed**

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
M1115F Angle Grooved	4412-03	2"	Ductile Iron	1	35	\$ 4,067.00
M1115F Angle Threaded	4412-04	2"	Ductile Iron	1	35	3,560.00
M1115F Angle 150# Flanged	4412-01	2"	Ductile Iron	1	35	4,067.00
M1115F Angle 300# Flanged	4412-02	2"	Ductile Iron	1	35	4,362.00
M1115F Angle Grooved	4413-03	2 1/2"	Ductile Iron	1	70	4,590.00
M1115F Angle Threaded	4413-04	2 1/2"	Ductile Iron	1	70	4,393.00
M1115F Angle 150# Flanged	4413-01	2 1/2"	Ductile Iron	1	70	4,590.00
M1115F Angle 300# Flanged	4413-02	2 1/2"	Ductile Iron	1	70	5,341.00
M1115F Angle Grooved	4414-03	3"	Ductile Iron	1	70	4,930.00
M1115F Angle Threaded	4414-04	3"	Ductile Iron	1	70	4,426.00
M1115F Angle 150# Flanged	4414-01	3"	Ductile Iron	1	70	4,930.00
M1115F Angle 300# Flanged	4414-02	3"	Ductile Iron	1	70	5,589.00
M1115F Angle Grooved	4415-03	4"	Ductile Iron	1	120	6,522.00
M1115F Angle 150# Flanged	4415-01	4"	Ductile Iron	1	120	6,522.00
M1115F Angle 300# Flanged	4415-02	4"	Ductile Iron	1	120	7,590.00
M1115F Angle 150# Flanged	4416-01	6"	Ductile Iron	1	220	9,627.00
M1115F Angle 300# Flanged	4416-02	6"	Ductile Iron	1	220	10,106.00
M1115F Angle 150# Flanged	4417-01	8"	Ductile Iron	1	425	15,069.00
M1115F Angle 300# Flanged	4417-02	8"	Ductile Iron	1	425	15,563.00

LEAD FREE\*

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Automatic Control Valves

# Fire



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## M116FM Globe 20-200 Range

### Fire Pump Relief Value - UL Listed/FM Approved

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
M116FM 150# Flanged	4421-16	1 1/2"	Ductile Iron	1	35	\$ 3,895.00
M116FM 150# Flanged	4422-16	2"	Ductile Iron	1	35	4,475.00
M116FM 300# Flanged	4422-17	2"	Ductile Iron	1	35	4,475.00
M116FM 150# Flanged	4423-16	2 1/2"	Ductile Iron	1	70	4,540.00
M116FM 300# Flanged	4423-17	2 1/2"	Ductile Iron	1	70	4,790.00
M116FM 150# Flanged	4424-16	3"	Ductile Iron	1	70	7,433.00
M116FM 300# Flanged	4424-17	3"	Ductile Iron	1	70	8,190.00
M116FM 150# Flanged	4425-16	4"	Ductile Iron	1	120	9,519.00
M116FM 300# Flanged	4425-17	4"	Ductile Iron	1	120	10,710.00
M116FM 150# Flanged	4426-16	6"	Ductile Iron	1	220	13,445.00
M116FM 300# Flanged	4426-17	6"	Ductile Iron	1	220	14,867.00
M116FM 150# Flanged	4427-16	8"	Ductile Iron	1	425	21,384.00
M116FM 300# Flanged	4427-17	8"	Ductile Iron	1	425	21,929.00

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## M116FM Globe 100-300 Range

### Fire Pump Relief Value - UL Listed/FM Approved

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
M116FM 300# Flanged	4422-18	2"	Ductile Iron	1	35	\$ 4,475.00
M116FM 300# Flanged	4423-18	2 1/2"	Ductile Iron	1	70	4,790.00
M116FM 300# Flanged	4424-18	3"	Ductile Iron	1	70	8,190.00
M116FM 300# Flanged	4425-18	4"	Ductile Iron	1	120	10,710.00
M116FM 300# Flanged	4426-18	6"	Ductile Iron	1	220	14,867.00
M116FM 300# Flanged	4427-18	8"	Ductile Iron	1	425	21,929.00

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## M1116FM Angle 20-200 Range

### Fire Pump Relief Value - UL Listed/FM Approved

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
M1116FM 150# Flanged	4422-11	2"	Ductile Iron	1	70	\$ 4,475.00
M1116FM 150# Flanged	4423-11	2 1/2"	Ductile Iron	1	70	4,540.00
M1116FM 300# Flanged	4423-14	2 1/2"	Ductile Iron	1	70	4,790.00
M1116FM 150# Flanged	4424-11	3"	Ductile Iron	1	70	7,433.00
M1116FM 300# Flanged	4424-14	3"	Ductile Iron	1	70	8,190.00
M1116FM 300X150 Flanged	4424-15	3"	Ductile Iron	1	70	8,343.00
M1116FM 150# Flanged	4425-11	4"	Ductile Iron	1	120	9,519.00
M1116FM 300# Flanged	4425-14	4"	Ductile Iron	1	120	10,710.00
M1116FM 300X150 Flanged	4425-15	4"	Ductile Iron	1	120	10,854.00
M1116FM 150# Flanged	4426-11	6"	Ductile Iron	1	220	13,445.00
M1116FM 300# Flanged	4426-14	6"	Ductile Iron	1	220	14,867.00
M1116FM 300X150 Flanged	4426-15	6"	Ductile Iron	1	220	13,914.00
M1116FM 150# Flanged	4427-11	8"	Ductile Iron	1	425	21,375.00
M1116FM 300# Flanged	4427-14	8"	Ductile Iron	1	425	21,929.00
M1116FM 300X150 Flanged	4427-15	8"	Ductile Iron	1	425	22,041.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Automatic Control Valves

# Fire



Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## M1116FM Angle 100-300 Range

### Fire Pump Relief Value - UL Listed/FM Approved

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
M1116FM 300# Flanged	4423-13	2 1/2"	Ductile Iron	1	70	\$ 4,790.00
M1116FM 300# Flanged	4424-13	3"	Ductile Iron	1	70	8,190.00
M1116FM 300X150 Flanged	4424-12	3"	Ductile Iron	1	70	8,343.00
M1116FM 300# Flanged	4425-13	4"	Ductile Iron	1	120	10,710.00
M1116FM 300X150 Flanged	4425-12	4"	Ductile Iron	1	120	10,811.00
M1116FM 300# Flanged	4426-13	6"	Ductile Iron	1	220	14,867.00
M1116FM 300X150 Flanged	4426-12	6"	Ductile Iron	1	220	13,914.00
M1116FM 300# Flanged	4427-13	8"	Ductile Iron	1	425	21,929.00
M1116FM 300X150 Flanged	4427-12	8"	Ductile Iron	1	425	22,041.00

LEAD FREE\*

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## F116-1FM Globe

### Fire Pump Suction Control - FM Approved

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
F116-1FM 150# Flanged	3890-08	4"	Ductile Iron	1	125	\$ 10,702.00
F116-1FM 150# Flanged	5768-08	6"	Ductile Iron	1	225	16,481.00
F116-1FM 300# Flanged	9164-03	6"	Ductile Iron	1	225	17,617.00
F116-1FM 150# Flanged	5769-08	8"	Ductile Iron	1	445	23,721.00

LEAD FREE\*

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## F100D-A Globe

### Pneumatic - Hydraulic Deluge Valve - UL Listed

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
100D-A Class 150 Flanged	2800-01	4"	Ductile Iron	1	120	\$ 9,429.00
100D-A Class 150 Flanged	2801-01	6"	Ductile Iron	1	220	12,372.00
100D-A Class 150 Flanged	CF**	8"	Ductile Iron	1	440	CF**

LEAD FREE\*

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## F100D-B Globe

### Electronically Actuated Deluge Valve - UL Listed

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
100D-B Class 150 Flanged	2742-20	4"	Ductile Iron	1	120	\$ 10,975.00
100D-B Class 150 Flanged	2802-18	6"	Ductile Iron	1	220	12,873.00

LEAD FREE\*

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFPV20CB

### Pressure Relief Valve - UL Listed/FM Approved

Model	Ordering Code	Size (in.)	Body	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFPV20CB 20-200PSI	2942-02	3/4"	Brass	1	6.5	\$ 980.50
LFPV20CB 100-300PSI	2942-06	3/4"	Brass	1	6.5	980.50
LFPV20CB 200-450PSI	2942-09	3/4"	Brass	1	6.5	1,444.00
LFPV20CB 20-200PSI	9108-02	1/2"	Brass	1	6.5	899.00
LFPV20CB 100-300PSI	9108-03	1/2"	Brass	1	6.5	899.00
LFPV20CB 200-450PSI	9108-07	1/2"	Brass	1	6.5	1,377.00

LEAD FREE\*



CF\*\* - Consult Factory

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Water Pressure Relief Valves

2

Relief Valves



740

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### High Capacity Water Pressure Relief Valves

#### Series 740

For Hot Water Space Heating Boiler - ASME RATED - Female inlet NPTF

For Low Pressure Hot Water Heating Boilers - Iron Body - 30psi setting

740	0382008	3/4	098268018844	12	20	\$ 335.50
740	0382570	1	098268019087	6	19	581.50
740	0383020	1 1/4	098268019209	6	32	878.00
740	0383542	1 1/2	098268019407	6	40	1,228.00
740	0384042	2	098268019629	1	16	1,765.00

Also available in 5psi increments 30 - 75psi, add 10% to list price. Contact factory for ordering codes.

### ASME Rated - Water Pressure Relief Valves - For Hot Water Supply Boilers

#### Series 374 and Series 174A†

For Hot Water Supply Boilers - Bronze body -

Female inlet NPTF - 30psi setting



174A

374A	0358553	3/4	098268018042	25	28	137.50
174A	0274428	3/4	098268013054	25	28	322.00
174A	0274934	1	098268013290	12	23	717.00
174A	0275600	1 1/4	098268013580	6	28	1,133.00
174A	0276500	1 1/2	098268013894	6	41	1,565.00
174A	0278030	2	098268014174	1	14	2,263.00

Also available in 5psi increments 30-150psi, add 10% to list price. Contact factory for ordering codes.

† Selected pressure set 174A are available in LeadFree\*. Please contact customer service for list price.

### 740, 374A, 174A Steam Discharge Ratings

Model	Size	30 BTU/Hr.	125 BTU/Hr.	150 BTU/Hr.	Model	Size	30 BTU/Hr.	50 BTU/Hr.	75 BTU/Hr.
374A	3/4"	550,000	-	-	740	3/4" x 1"	925,000	1,352,000	1,886,000
174A	3/4"	650,000	2,070,000	2,445,000	740	1" x 1 1/4"	1,300,000	1,899,000	2,649,000
174A	1"	1,005,000	3,215,000	3,795,000	740	1 1/4" x 1 1/2"	2,105,000	3,075,000	4,285,000
174A	1 1/4"	1,682,000	5,370,000	6,340,000	740	1 1/2" x 2"	2,900,000	4,237,000	5,909,000
174A	1 1/2"	2,020,000	6,460,000	7,630,000	740	2" x 2 1/2"	5,250,000	7,672,000	10,700,000
174A	2"	3,815,000	12,170,000	14,370,000					

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Pressure Relief Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Specialty Relief Valves

### Series 530 and LF530

#### Poppet Type - Pressure Relief Valves

530C	0371271	1/2	098268018233	50	21	\$ 131.00
530C	0372271	3/4	098268018240	50	24	140.50
LEAD FREE* LF530-C	0556035	1/2	098268435191	50	21	181.50
LEAD FREE* LF530-C	0556036	3/4	098268435207	50	21	193.50
530FP	0371270	1/2	098268221657	50	20	131.00

Model 530C and LF530C 1/2" and 3/4" adjustments are between 50 and 175psi. For 100 – 300psi adjustments, 3/4" only, specify ordering code 0372273.

Model 530FP fire line thermal expansion valve is set at 150psi, adjustable pressure relief range between 50 – 175psi.



530C

### Series 53 and LF53

53	0185131	1/2	098268010138	50	19	157.00
53	0185643	3/4	098268010190	50	21	163.50
LEAD FREE* LF53-75	0121434	1/2	098268584738	50	19	175.00
LEAD FREE* LF53-75	0121437	3/4	098268584776	50	21	181.50

Model 53 is available in factory preset standard pressure relief settings of 75, 125, and 150psi.

Model LF53 is available in factory preset standard pressure relief settings of 75, 100, and 125psi.

### Series 53L, LF53L, 3L and LF3L

#### Poppet Type - Pressure Relief Valves

53L-075	0189747	1/2	098268010244	50	26	148.50
FP53L-175	0190893	1/2	098268329278	50	26	146.00
3L-075	0011086	3/4	098268001402	50	26	156.00
LEAD FREE* LF53L-75	0121439	1/2	098268584929	50	26	165.50
LEAD FREE* LF3L-075	0556032	3/4	098268435160	50	26	172.00
LEAD FREE* LF3L-125	0556033	3/4	098268435177	50	26	172.00
LEAD FREE* LF3L-150	0556034	3/4	098268435184	50	25	172.00

\*\*For outside solar applications, specify Model 3L-Z9 with stainless steel lever and pin.

Models 53L, LF53L, 3L, LF3L are available in factory preset standard pressure relief settings of 75, 100, and 125, and 150psi.

Model FP53L fire line thermal expansion valve is UL Listed and available in factory preset standard pressure relief settings of 175, 185, 260, and 310psi.



N30

### Series N30 and LFN30

#### Diaphragm Type - Water Pressure Relief Valves

N30	0109265	1/2	098268009187	25	34	501.00
LEAD FREE* LFN30	0121397	1/2	098268583892	25	34	666.00

Models N30 and LFN30 adjustable pressure relief range is between 5-30psi.

### Bypass Control Valves

#### Series 5300A, LF5300A, BP30 and LFBP30

##### For Pumping Equipment - Bronze Body

BP30A 10-50	0114039	1/2	098268009347	12	14	527.00
LEAD FREE* LF5300A	0121627	1/2	098268587814	25	15	323.50
LEAD FREE* LFBP30 10-50	0121399	1/2	098268584011	12	14	695.50

Models 5300A and LF5300A adjustable pressure relief range is between 0-250psi.

Models BP30 and LFBP30 are available in 10-50psi, 45-100psi and 75-175psi adjustable ranges.



5300A

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Temperature & Pressure Relief Valves

40XL,  
40XL-8

LF340

**PLEASE NOTE:** Temperature and pressure safety relief valves constructed of standard materials (non-lead free) are permitted to be used as a component part of a water heater that meets the definition of lead free under Section 1417 of the Safe Drinking Water Act.

## Temperature & Pressure Relief Valves

T&P Relief Valves on this page are certified by CSA and meet current F.H.A. requirements and American National Standard Z21.22.

### Standard Relief Valve Settings:

Due to excessive costs of producing non-standard "special" settings in small quantities, we find it necessary to limit available pressure relief settings to 75,100,125,150psi. Temperature 210°F.

If "special" settings are necessary for large quantity requirements, we will approve pricing at little or no extra cost, depending on type of valve, setting and quantity. Please consult factory.

Model	Ordering Code	Size (in.)	Thermostat Length (in.)	CSA Temp. Steam BTU/Hr	ASME Pressure Steam Rating BTU/Hr @75psi set pres.	ASME Pressure Steam Rating BTU/Hr @150psi set pres.	UPC	Qty. Per Carton	Per Carton Wgt. (lbs.)	List Price (Each)
		Inlet      Outlet								

## ASME Self-Closing T&P Relief Valves

### Series 40, LL40, LLL40, 140, 240, 340, LF40, LFLL40, LFLLL40, LF140, LF240, LF340

	40L 150/210	0153614	3/4 M	3/4 F	3	180,000	777,600	1,437,600	098268009620	12	20	\$ 530.00
	40XL 150/210	0156731	3/4 M	3/4 F	5	205,000	777,600	1,437,600	098268009767	12	18	516.00
	40XL8 150/210	0158774	3/4 M	3/4 F	8	205,000	777,600	1,437,600	098268009835	12	21	560.50
	LL40XL 150/210	0163801	3/4 M	3/4 F	3 1/2	205,000	777,600	1,437,600	098268921328	12	35	699.00
	LLL40XL 150/210	0163803	3/4 M	3/4 F	5	205,000	777,600	1,437,600	098268921342	12	35	732.00
LEAD FREE*	LF40L 150/210	0121406	3/4 M	3/4 F	3	180,000	777,600	1,437,600	098268584080	12	20	636.00
	LF40L 125/210	0556013	3/4 M	3/4 F	3	180,000	777,600	1,437,600	098268432480	12	35	636.00
	LF40XL 125/210	0556015	3/4 M	3/4 F	5	205,000	777,600	1,437,600	098268432503	12	20	685.00
	LF40XL 150/210	0556016	3/4 M	3/4 F	5	205,000	777,600	1,437,600	098268432510	12	20	617.00
	LF40XL8 150/210	0121421	3/4 M	3/4 F	8	205,000	777,600	1,437,600	098268584516	12	21	674.00
	LFLL40XL 150/210	0121429	3/4 M	3/4 F	3 1/2	205,000	777,600	1,437,600	098268584622	12	35	838.00
	LFLLL40XL 150/210	0121430	3/4 M	3/4 F	5	205,000	777,600	1,437,600	098268584660	12	35	877.50
	140S3 150/210	0254702	3/4 F	3/4 F	3	180,000	777,600	1,437,600	098268012347	12	21	571.50
	140X5 150/210	0257564	3/4 F	3/4 F	5	205,000	777,600	1,437,600	098268012422	12	21	622.00
	140X8 150/210	0259850	3/4 F	3/4 F	8	205,000	777,600	1,437,600	098268012538	12	25	669.50
LEAD FREE*	LF140S3 150/210	0121449	3/4 F	3/4 F	3	180,000	777,600	1,437,600	098268585254	12	21	685.00
	LF140X5 150/210	0121453	3/4 F	3/4 F	5	205,000	777,600	1,437,600	098268585346	12	21	748.00
	LF140X8 150/210	0121459	3/4 F	3/4 F	8	205,000	777,600	1,437,600	098268585445	12	25	804.50
	40L 150/210	0154830	1 M	1 F	2	450,000	1,155,000	2,134,000	098268009675	12	21	850.00
	40XL 150/210	0163725	1 M	1 F	4	500,000	1,155,000	2,134,000	098268009897	12	23	812.00
	40XL7 150/210	0163765	1 M	1 F	7	500,000	1,155,000	2,134,000	098268009989	12	26	896.00
	LL40XL 150/210	0163805	1 M	1 F	3	500,000	1,155,000	2,134,000	098268921366	12	36	1,270.00
LEAD FREE*	LF40L 150/210	0121409	1 M	1 F	2	450,000	1,155,000	2,134,000	098268584110	12	38	1,019.00
	LF40XL 100/210	0556006	1 M	1 F	4	450,000	1,155,000	2,134,000	098268432411	12	23	1,032.00
	LF40XL 125/210	0556007	1 M	1 F	4	500,000	1,155,000	2,134,000	098268432428	12	24	1,081.00
	LF40XL 150/210	0556008	1 M	1 F	4	500,000	1,155,000	2,134,000	098268432435	12	23	975.00
	LF40XL7 150/210	0121428	1 M	1 F	7	500,000	1,155,000	2,134,000	098268584615	12	26	1,076.00
	LFLL40XL 150/210	0121431	1 M	1 F	3	500,000	1,155,000	2,134,000	098268584677	12	36	1,525.00
	140S3 150/210 **	0256661	1 F	1 F	3	570,000	1,670,000	3,085,000	098268012385	6	14	926.50
	140X6 150/210 **	0259705	1 F	1 F	6	670,000	1,670,000	3,085,000	098268012477	12	28	1,020.00
	140X9 150/210 **	0259930	1 F	1 F	9	670,000	1,670,000	3,085,000	098268012576	12	30	1,115.00
	N240X-6 150/210**	0315130	1 F	1 F	6	730,000	2,195,000	4,059,000	098268016345	12	35	1,507.00
	N240X-9 150/210**	0315180	1 F	1 F	9	730,000	2,195,000	4,059,000	098268016383	12	34	1,694.00
LEAD FREE*	LF140S3 150/210 **	0121451	1 F	1 F	3	570,000	1,670,000	3,085,000	098268585322	6	14	1,112.00
	LF140X6 150/210 **	0121457	1 F	1 F	6	670,000	1,670,000	3,085,000	098268585384	12	28	1,226.00
	LF140X9 150/210 **	0121460	1 F	1 F	9	670,000	1,670,000	3,085,000	098268585476	12	30	1,338.00
	LFN240X 150/210 **	0556019	1 F	1 F	6	730,000	2,195,000	4,059,000	098268432541	12	35	2,141.00
	LFN240X9 150/210 **	0121589	1 F	1 F	9	730,000	2,195,000	4,059,000	098268587227	12	49	2,408.00
	N241X5 150/210 **	0318825	1 1/4 M	1 F	5	730,000	2,195,000	4,059,000	098268016437	12	39	1,648.00
	N241X8 150/210**	0318861	1 1/4 M	1 F	8	730,000	2,195,000	4,059,000	098268016475	12	44	1,879.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Temperature & Pressure Relief Valves

**PLEASE NOTE:** Temperature and pressure safety relief valves constructed of standard materials (non-lead free) are permitted to be used as a component part of a water heater that meets the definition of lead free under Section 1417 of the Safe Drinking Water Act.

Model	Ordering Code	Size (in.)		Thermostat Length (in.)	CSA Temp. Steam BTU/Hr	ASME Pressure Steam Rating BTU/Hr @75psi set pres.	ASME Pressure Steam Rating BTU/Hr @150psi set pres.	UPC	Qty. Per Carton	Per Carton Wgt. (lbs.)	List Price (Each)
		Inlet	Outlet								

## ASME Self-Closing T&P Relief Valves (cont.)

### Series 40, LL40, LLL40, 140, 240, 340, LF40, LFLL40, LFLLL40, LF140, LF240, LF340

Model	Ordering Code	Inlet Size (in.)	Outlet Size (in.)	Thermostat Length (in.)	CSA Temp. Steam BTU/Hr	ASME Pressure Steam Rating BTU/Hr @75psi set pres.	ASME Pressure Steam Rating BTU/Hr @150psi set pres.	UPC	Qty. Per Carton	Per Carton Wgt. (lbs.)	List Price (Each)
LFN241X5 150/210 **	0121592	1 1/4 M	1 F	5	730,000	2,195,000	4,059,000	098268587258	12	39	\$ 2,339.00
LFN241X8 150/210 **	0121595	1 1/4 M	1 F	8	730,000	2,195,000	4,059,000	098268587302	12	44	2,669.00
340 150/210 **	0344276	1 1/2 F	1 1/2 F	3	1,150,000	3,450,000	6,379,000	098268017571	6	44	3,149.00
340X8 150/210 **	0348470	1 1/2 F	1 1/2 F	8	1,150,000	5,403,000	6,379,000	098268017625	6	39	3,345.00
LF340 150/210 **	0121602	1 1/2 F	1 1/2 F	3	1,150,000	3,450,000	6,379,000	098268587487	6	44	4,463.00
LF340X8 150/210 **	0121605	1 1/2 F	1 1/2 F	8	1,150,000	5,403,000	6,379,000	098268587517	6	39	4,741.00
342-3 150/210 **	0352478	2 M	1 1/2 F	3	1,150,000	3,450,000	6,379,000	098268017663	6	40	3,436.00
342X-8 150/210 **	0352620	2M	1 1/2 F	8	1,150,000	3,450,000	6,379,000	098268017700	6	37	3,644.00
LF342 150/210 **	0121608	2 M	1 1/2 F	3	1,150,000	3,450,000	6,379,000	098268587548	6	40	4,873.00
LF342X8 150/210 **	0121610	2M	1 1/2 F	8	1,150,000	3,450,000	6,379,000	098268587586	6	37	5,166.00

340X-8 M4Z, Temperature Relief 210°F, 175psi, Certified CSA only, Ordering code 0348475 List Price \$2065.00.

\*\*Standardly furnished with stainless steel thermostat tube.

Model	Ordering Code	Size (in.)	Thermostat Length (in.)	CSA Temp. Steam BTU/Hr	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Standard Self-Closing T&P Relief Valves -

### Series LF1L, LF1XL

#### Thermo-bonded (non-metallic) protective coating on thermostat

1L-2 150/210	0002268	1/2	2	15,000	098268000313	50	32	\$ 74.00
1XL-4 150/210	0004494	1/2	4	15,000	098268000429	25	17	70.50
1XL-8 150/210	0004497	1/2	8	15,000	098268000443	25	20	74.50
LF1L-2 150/210	0121321	1/2	2	15,000	098268582918	50	32	82.00
LF1XL-4 150/210	0121325	1/2	4	15,000	098268582956	25	17	79.00
LF1XL-8 150/210	0121326	1/2	8	15,000	098268582963	25	20	82.50

Available in factory preset standard pressure relief settings of 75, 100, and 125, and 150psi. Consult factory for ordering codes.

## ASME Self-Closing T&P Relief Valves

### Series LF10L, LF100XL

#### Thermo-bonded (non-metallic) protective coating on thermostat

10L-2 150/210	0064014	3/4	2	80,000	098268006988	50	35	74.00
100XL-4 150/210	0066100	3/4	4	105,000	098268000016	50	37	45.50
100XL-8 150/210	0066110	3/4	8	105,000	098268007237	50	40	49.50
SL100XL 150/210	0066445	3/4		105,000	098268739770	50	41	83.50
L100XL-3 150/210	0066133	3/4		105,000	098268214673	50	41	81.00
LL100XL-2 1/2 150/210	0066132	3/4	2 1/2	105,000	098268214666	50	41	85.50
LLL100XL 150/210	0066440	3/4		105,000	098268739787	50	46	48.25
LF10L-2 150/210	0121339	3/4	2	80,000	098268006988	50	35	82.00
LF100XL-4 150/210	0556000	3/4	4	105,000	098268000016	50	37	49.75
LF100XL-8 150/210	0556001	3/4	8	105,000	098268007237	50	40	55.75
LFSL100XL 150/210	0068720	3/4		105,000	098268739770	50	41	93.75
LFL100XL-3 150/210	0556003	3/4		105,000	098268214673	50	41	90.75
LFLL100XL-2 1/2 150/210	0556002	3/4	2 1/2	105,000	098268214666	50	41	96.00
LFLLL100XLZ5 150/210	0556004	3/4		105,000	098268739787	50	46	103.50

OPTION: SOLAR - Model 100XL/1XL, specify Suffix Z9 stainless steel lever and pin for outside solar applications. Net price \$1.70 extra. Suffix Z11 for 180°F thermostat. Net price \$2.00 extra. Consult factory for additional pressure settings and ordering codes.



LF100XL

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Safety Valves

2

Relief Valves

Model	Ordering Code	Size (in.)	Thermostat Length (in.)	CSA Temp. Steam BTU/Hr	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Temperature Gas Shutoff Valves

#### Series LF210

**Design Certified to ANSI Z21.87 - Automatic Gas Shutoff devices for hot water supply systems**

Model	Ordering Code	Size (in.)	Thermostat Length (in.)	CSA Temp. Steam BTU/Hr	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF210M2-5	0556025	3/4 X 1/2	5	150,000 (Natural Gas) 243,000 (LP Gas)	098268432602	25	28	\$ 643.50
LFL210M2-5	0556026	3/4 X 1/2	5	150,000 (Natural Gas) 243,000 (LP Gas)	098268432619	25	28	717.50
LFLL210M2-5	0556027	3/4 X 1/2	5	150,000 (Natural Gas) 243,000 (LP Gas)	098268432626	25	29	744.00
LFLLL210M2-5	0295399	3/4 X 1/2	5	150,000 (Natural Gas) 243,000 (LP Gas)	098268457308	25	29	803.00

LEAD FREE\*

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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315-M2

### Steam Safety Valves - ASME Section IV

#### Series 315 and Series 415

**For Low Pressure Steam Heating Boilers Furnished with special Teflon® disc.**

**(Set at 15psi)**

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
315-M2	0342629	3/4 x 3/4	098268792034	50	25	\$ 175.50
415-M1	0346045	3/4 x 3/4	098268609332	25	19	297.50
415-M1	0346044	1 x 1	098268699203	24	28	359.50
415	0364195	1 1/4 x 1 1/2	098268903034	6	16	501.00
415	0364200	1 1/2 x 2	098268903041	6	24	574.00

Figure 41  
Bronze

### Steam Safety Valves - ASME VIII - Handling Saturated Steam to 250psi

#### Series Figure 41

**Bronze Body**

Ordering Code	Inlet	Valve Size (In.) Orifice	Outlet	Pipe Connection NPT X Outlet	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
0390700	1/2	0.1188	3/4	NPT x NPT	098268869026	1	3.0	\$ 1,550.00
0390701	3/4	0.1188	3/4	NPT x NPT	098268869033	1	3.0	1,614.00
0390702	3/4	0.2116	1	NPT x NPT	098268869040	1	13	1,739.00
0390703	1	0.2116	1	NPT x NPT	098268869057	1	3.5	1,846.00
0390704	1	0.3318	1 1/4	NPT x NPT	098268869064	1	6.0	1,984.00
0390705	1 1/4	0.3318	1 1/4	NPT x NPT	098268869071	1	6.0	2,231.00
0390706	1 1/4	0.5424	1 1/2	NPT x NPT	098268869088	1	7.0	2,578.00
0390707	1 1/2	0.5424	1 1/2	NPT x NPT	098268869095	1	7.3	2,706.00
0390708	1 1/2	0.8479	2	NPT x NPT	098268869101	1	11	3,094.00
0390709	2	0.8479	2	NPT x NPT	098268869118	1	14	3,998.00
0390710	2	1.391	2 1/2	NPT x NPT	098268869125	1	18	4,286.00
0390711	2 1/2	1.391	2 1/2	NPT x NPT	098268869132	1	18	5,579.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Water Heater Installation Products



LFN36

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Vacuum Relief Valves - CSA/ANSI Z21.22 - Series LFN36M1

#### Water and Steam Service

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFN36M1	0556030	1/2	098268450408	24	5.5	\$ 123.50
	LFN36M1	0556031	3/4	098268450415	24	6.0	155.50



100DT

### Drain Line For T&P Relief Valves - Series 100DT, 100DT-A60

#### For use on water heaters up to 100,000 BTU/Hr

Model	Ordering Code	Conn. Size	Drop Length	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
100DT	0066125	3/4	48	098268007329	75	21	\$ 17.00

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Potable Water Expansion Tanks Series PLT

#### Max. temp. 160° - Max. pressure 150psi - Precharge 20psi



PLT-12

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	PLT-5	†0067370	-	098268095739	1	5.4	\$ 138.50
	PLT-12	†0067371	-	098268095753	1	9.1	195.00
	PLT-20	0067372	-	098268483161	1	15	384.50
	PLT-35	0067373	-	098268483178	1	27	473.50

†Available in pallet quantities (PLT-5, 180), (PLT-12, 70)

### ASME Pressurized Expansion Tanks For Potable Hot Water Series DETA



DETA

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	DETA-5	0212026	-	098268913484	1	23	2,613.00
	DETA-12	0212027	-	098268913491	1	27	3,007.00
	DETA-20	0212028	-	098268913507	1	40	3,345.00
	DETA-30	0212029	-	098268913514	1	68	3,770.00
	DETA-42	0212030	-	098268913521	1	81	4,026.00
	DETA-60	0212031	-	098268913538	1	93	4,900.00
	DETA-80	0212032	-	098268913545	1	108	5,199.00
	DETA-100	0212033	-	098268913552	1	148	5,879.00
	DETA-125	0212034	-	098268913569	1	174	6,561.00
	DETA-160	0212035	-	098268913576	1	258	7,243.00
	DETA-180	0212036	-	098268913583	1	269	7,919.00
	DETA-210	0212037	-	098268913590	1	282	8,312.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Water Heater Installation Products

3

Water Heater Installation Products



LFWDS

### Water Detector Shutoffs Series WDS and LFWDS

#### Complete Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFWDS-SP-L	0121577	3/4	098268587029	1	5.3	\$ 888.50
LFWDS-SP-R	0121578	3/4	098268587050	1	5.3	888.50
LFWDS-SI	0121579	3/4	098268587067	1	5.2	853.50
LFWDS-E220	0121580	3/4	098268587074	1	7.0	1,027.00
LFWDS-SP-L	0301015	1	098268460056	1	5.5	941.50
LFWDS-SP-R	0121581	1	098268587081	1	5.5	941.50
LFWDS-SI	0301017	1	098268460070	1	5.4	902.00
LFWDS-E220	0121582	1	098268587098	1	7.2	1,075.00

#### Components

WDS- L Therm.	0301009		098268356236	12	3.2	137.50
WDS- R Therm.	0301010		098268356243	12	3.2	137.50



LFTWH-UT-HC



LFTWH-FS-HCN-RV

### Tankless Water Heater Valves Series LFTWH

LFTWH-UT-HC-RV	0120001	3/4	098268442854	5	25	545.50
LFTWH-UT-HCN-RV	0125110	3/4	098268849035	5	28	542.50
LFTWH-FT-HCN	0100155	3/4	098268483475	5	19	280.50
LFTWH-FT-HCN-RV	0100156	3/4	098268483482	5	22	370.50
LFTWH-UTS-HCN-RV	0120003	3/4	098268454765	5	28	375.50
LFTWH-QC-HCN-RV	0120005	3/4	098268454789	5	28	506.50
LFTWH-UTS-HCN Valve Set	0100165	1	098268548952	5	29	477.00
LFTWH-FS-HCN-RV	0120006	3/4	098268542516	5	22	592.00
LFTWH-UTS-HCN-RV	0100164	1	098268548945	4	30	600.00

## Combination Ball Valve and Relief Valve

### Series LFBRV

#### Threaded Ends - BRVTxTxC

LEAD FREE*	LFBRVT-80	0125273	3/4	098268853841	24	34	\$ 227.00
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#### PEX x PEX Ends - BRVPxPxP

LEAD FREE*	LFBRVP-125	0125274	3/4	098268088656	24	27	250.00
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#### PEX x PEX x PEX Ends - BRVPxPxP

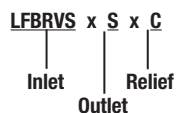
LEAD FREE*	LFBRVPxPxP-125	0125275	3/4	098268853865	24	27	250.00
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NOTE: Standard relief drain connection is 3/8" Compression, P = 1/2" PEX



LFBRV  
PEX x PEX  
Compression

For Ordering Example:



\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Vacuum Breakers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Hose Connection Atmospheric Vacuum Breaker Series 8/LF8



8A



8FR

LEAD FREE\*

		Inlet	Outlet				
	8	3/4 f	3/4 m	098268308006	72	23	\$ 64.25
	8P	3/4 f	3/4 m	098268004137	72	6.6	25.75
	8B	3/4 f	3/4 m	098268308020	72	23	35.00
	8BC	3/4 f	3/4 m	098268307993	72	23	86.00
	8C	3/4 f	3/4 m	098268307986	72	23	88.50
	8A	3/4 f	3/4 m	098268004212	72	22	84.25
	8AC	3/4 f	3/4 m	098268006681	72	22	122.50
	8FR	3/4 f	3/4 m	098268920413	50	26	99.00
LEAD FREE*	LF8	3/4 f	3/4 m	098268434729	72	19	77.75
	LF8B	3/4 f	3/4 m	098268434736	72	19	43.75
	LF8BC	3/4 f	3/4 m	098268434774	72	19	106.00
	LF8C	3/4 f	3/4 m	098268434743	72	19	108.50
	LF8A	3/4 f	3/4 m	098268434781	72	22	99.75
	LF8AC	3/4 f	3/4 m	098268434798	72	22	145.00
	LF8FR	3/4 f	3/4 m	098268434811	50	23	124.50

### Series 8:

#### Suffix - Options

- A - Patented "Non-Removable" feature
- B - Furnished with break-away set screw
- P - Patented "Non-Removable" feature. Constructed of durable, corrosion-resistant, reinforced thermoplastic
- C - Chrome Plated
- FR - With freeze relief feature

## Series NF8/LFN8

### With Manual Draining For Freezing Conditions

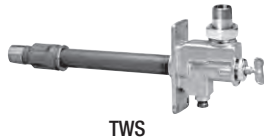
	NF8	3/4 f	3/4 m	098268004007	50	17	84.00
LEAD FREE*	LFN8	3/4 f	3/4 m	098268434804	50	17	107.50

### For Tub and Shower Hand Spray Sets

	S8	1/2 f	1/2 m	098268003994	50	12	136.00
	S8C	1/2 f	1/2 m	098268003987	50	12	154.00
	S8C	3/8 f	1/2 m	098268004120	50	13	141.50

## Series TWS

### Through The Wall Shutoff For Use With PVB, DC and RP - Key Operated



TWS

		Size	Length				
	TWS-8	3/4	8	098268611977	4	32	1,066.00
	TWS-10	3/4	10	098268611984	4	31	1,197.00
	TWS-12	3/4	12	098268611991	4	34	1,293.00
	TWS-8	1	8	098268569278	4	31	1,066.00
	TWS-10	1	10	098268569285	4	33	1,197.00
	TWS-12	1	12	098268569292	4	35	1,293.00

## Series LFNLF9

### Lab Faucet Vacuum Breaker - Chrome Finish

LEAD FREE*	LFNLF9	3/8 m	3/8 f	098268434828	50	21	232.00
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LFNLF9

## Series LFN9CD

### Field Testable, Hose Connection Backflow Preventer

LEAD FREE*	LFN9CD	3/4 f	3/4 m	098268434866	50	28	343.00
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## Series LFN9

### In-Line, Continuous Pressure Backflow Preventer

LEAD FREE*	LFN9	1/4 f	1/4 f	098268434835	50	25	343.00
	LFN9	3/8 f	3/8 f	098268434842	50	23	343.00
	LFN9C	1/4 f	1/4 f	098268638578	50	35	376.00
	LFN9C	3/8 f	3/8 f	098268434859	50	23	376.00

C = Chrome plated

## Series 9BD

### Vented Triple Check - For Carbonated Beverage Vending Machines

LEAD FREE*	9BD	3/8 Flare	3/8 Flare	098268004328	50	20	797.00
	9BD	1/4 NPT	1/4 NPT	098268004496	50	35	797.00
	9BD	3/8 NPT	3/8 NPT	098268004519	50	22	797.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Vacuum Breakers

4

Backflow Preventers &amp; Accessories



9D



9DM3



912HP



SD2



SD3

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series 9D

### Dual Check With Atmospheric Port

		Inlet	Outlet			
9D M3	0061935	1/2 f	1/2 f	098268221794	12	15 \$ 208.00
9DS M3 ♦	0061952	1/2 f	1/2 f	098268290417	12	208.00
9D M3 with Viega ProPress® end connections	0386471	1/2 f	1/2 f	098268119329	12	14.8 239.00
9D M2	0061888	3/4 f	3/4 f	098268004281	12	19 213.50
9DS M2 ♦	0061926	3/4 f	3/4 f	098268195347	12	18 213.50
9D M2 with Viega ProPress® end connections	0386470	3/4 f	3/4 f	098268119237	12	19.1 252.00

♦ Solder Ends    Satin chrome models available, specify Suffix SC

## Series LF9D

LEAD FREE*						
LF9D-M3	88006822	1/2 f	1/2 f	098268028508	12	14.8 239.00
LF9DS-M3 ♦	88006837	1/2 f	1/2 f	098268028539	12	14 239.00
LF9D-M2	88006832	3/4 f	3/4 f	098268028546	12	19.1 246.00
LF9DS-M2 ♦	88006836	3/4 f	3/4 f	098268028553	12	17.6 246.00

♦ Solder Ends

## Series 912HP

### High Pressure Hose Drop Backflow Preventer

912HP	0386447	3/4	Bronze	098268873306	6	19 1,041.00
912HP	0386448	1	Bronze	098268873313	6	22 1,292.00

## Series SD2

### Stainless Steel Dual Check For Carbonated Beverage Machines

LEAD FREE*						
SD2-MF	0061651	1/4 Flare	1/4 Flare	098268848892	50	18 269.50
SD2-MF	0061655	3/8 Flare	3/8 Flare	098268848939	50	18 285.50
SD2-MN	0061650	1/4 M	1/4 M	098268848885	50	17.5 324.50
SD2-MN	0061654	3/8 M	3/8 M	098268848922	50	17.5 304.50
SD2-FN	0061662	1/4 F	1/4 F	098268868678	50	17.5 281.50
SD2-FN	0061663	3/8 F	3/8 F	098268868661	50	17.5 304.50
SD2-FF	0061660	1/4 Female Flare	1/4 Female Flare	098268868616	50	17.5 314.50
SD2-FF	0061661	3/8 Female Flare	3/8 Female Flare	098268868685	50	17.5 342.00

## Series SD3

### Stainless Steel Vented Dual Check For Carbonated Beverage Machines

LEAD FREE*						
SD3-MF	0061653	1/4 Flare	1/4 Flare	098268848915	25	8.8 616.00
SD3-MF	0061657	3/8 Flare	3/8 Flare	098268848953	25	8.8 616.00
SD3-MN	0061652	1/4 M	1/4 M	098268848908	25	8.75 616.00
SD3-MN	0061656	3/8 M	3/8 M	098268848946	25	8.75 616.00
SD3-FN	0061666	1/4 F	1/4 F	098268868630	25	7.75 423.50
SD3-FN	0061667	3/8 F	3/8 F	098268868623	25	10 421.00
SD3-MF-LS ♦	0061675	1/4 flare	1/4 flare	098268931488	25	7.5 629.00
SD3-MF-LS ♦	0061671	3/8 flare	3/8 flare	098268931440	25	7.5 589.50

♦ Less Strainer

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Pressure Vacuum Breakers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Irrigation Vacuum Breakers

### Series 188A

#### Brass Body

188A	0340971	3/4	098268209808	24	18	\$ 196.00
188A	0340972	1	098268209815	24	20	251.50
188A	0340973	1 1/4	098268209822	12	25	346.50
188A	0340974	1 1/2	098268209839	6	20	623.50
188A	0340975	2	098268209846	6	29	967.00

## Anti-Siphon Vacuum Breakers

### Series LF288A



LF288A

LEAD FREE*	LF288A	0792036	1/4	098268434224	50	20	186.50
	LF288A	0792037	3/8	098268434231	50	16	186.50
	LF288A	0792038	1/2	098268434248	50	26	210.50
	LF288A	0792039	3/4	098268434255	24	18	250.00
	LF288AM4	0792040	1	098268434262	24	24	386.50
	LF288AM2	0792041	1 1/4	098268434279	12	12	673.50
	LF288AM2	0792042	1 1/2	098268434286	6	11	790.50
	LF288AM2	0792043	2	098268434293	6	29	1,228.00
	LF288AM2	0792044	2 1/2	098268434309	1	12	3,524.00
	LF288AM2	0122748	3	098268646245	1	15	4,673.00

## Anti-Siphon Vacuum Breakers (cont.)

### Series LF288A

#### Polished Chrome Plated Body

LEAD FREE*	LF288AC	0792051	1/4	098268434378	50	19	\$ 281.50
	LF288AC	0792053	3/8	098268434408	50	17	281.50
	LF288AC	0792052	1/2	098268434385	50	24	313.00
	LF288AC	0792054	3/4	098268434415	24	17	363.00
	LF288ACM4	0792055	1	098268434422	24	22	615.00

## Spill-Resistant Atmospheric Vacuum Breakers

### Series LF289



LF289

LEAD FREE*	LF289	0792047	1/2	098268434330	24	28	430.00
	LF289	0792048	3/4	098268434347	1	3.4	828.50

### Series LFN388

#### With Bottom Inlet and Outlet Connections

LEAD FREE*	LFN388	0792062	1/4	098268434491	50	23	162.00
	LFN388	0792064	3/8	098268434514	50	40	187.00

#### Polished Chrome Plated Body

LEAD FREE*	LFN388-C	0792061	1/4	098268434484	50	10	247.00
	LFN388-C	0792065	3/8	098268434521	50	24	334.00



LFN388

Satin chrome models available, specify Suffix SC.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Backflow Preventers

4

Backflow Preventers &amp; Accessories



800M4QT



800M4QT SH



800M4FR

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Pressure Vacuum Breakers

### Series 800M4QT and LF800M4QT

#### With Quarter-Turn Shutoffs

800M4QT	0387096	1/2	098268279351	1	4.3	\$ 414.50
800M4QT	0388001	3/4	098268279375	1	4.0	414.50
800M4QT	0388002	1	098268279399	1	7.0	426.00
800M4QT	0387126	1 1/4	098268235951	1	11	833.00
800M4QT	0387114	1 1/2	098268208894	1	13	1,029.00
800M4QT	0387122	2	098268208931	1	17	1,059.00
LF800M4-QT	0792010	1/2	098268433807	1	3.8	524.50
LF800M4-QT	0792011	3/4	098268433814	1	4.1	524.50
LF800M4-QT	0792012	1	098268433821	1	6.1	540.50
LF800M4-QT	0792013	1 1/4	098268433838	1	11	1,059.00
LF800M4-QT	0792014	1 1/2	098268433869	1	13	1,306.00
LF800M4-QT	0792015	2	098268433876	1	17	1,344.00

LEAD FREE\*

#### With Union Connections and Quarter-Turn Shutoffs

U800M4-QT	0388005	3/4	098268300833	1	5.1	474.00
U800M4-QT	0388006	1	098268300840	1	7.3	489.00

#### With Stainless Steel Handles

800M4-QT-SH	0388100	1/2	098268875409	1	4.0	472.00
800M4-QT-SH	0388101	3/4	098268875416	1	4.1	472.00
800M4-QT-SH	0388102	1	098268875423	1	6.0	488.00
800M4-QT-SH	0388103	1 1/4	098268875430	1	11	967.50
800M4-QT-SH	0388104	1 1/2	098268875447	1	14	1,165.00
800M4-QT-SH	0388105	2	098268875454	1	18	1,199.00

## Freeze Protection Pressure Vacuum Breakers -

### Series 800M4FR and LF800M4FR

#### Designed to be left out in the cold.

800M4FR	0388013	1/2	098268823578	1	4.5	\$ 453.00
800M4FR	0388014	3/4	098268823585	1	4.8	453.00
800M4FR	0388015	1	098268597059	1	6.0	459.50
800M4FR	0388016	1 1/4	098268798647	1	11	924.00
800M4FR	0388017	1 1/2	098268798654	1	13	1,138.00
800M4FR	0388018	2	098268798661	1	17	1,174.00
LF800M4-FR	0792016	1/2	098268433883	1	4.5	574.00
LF800M4-FR	0792017	3/4	098268433890	1	4.1	574.00
LF800M4-FR	0792018	1	098268433906	1	6.0	580.50
LF800M4-FR	0792019	1 1/4	098268433920	1	11	1,172.00
LF800M4-FR	0792020	1 1/2	098268433937	1	13	1,445.00
LF800M4-FR	0792021	2	098268433944	1	17	1,492.00

LEAD FREE\*

#### With Stainless Steel Handles

800M4FR SH	0388120	1/2	098268876437	1	4.0	513.00
800M4FR SH	0388121	3/4	098268876444	1	4.0	513.00
800M4FR SH	0388122	1	098268876451	1	6.2	519.00
800M4FR SH	0388123	1 1/4	098268876468	1	11	1,056.00
800M4FR SH	0388124	1 1/2	098268876475	1	13	1,280.00
800M4FR SH	0388125	2	098268876482	1	18	1,316.00

#### With Union Connections and Quarter-Turn Shutoffs

U800M4FR	0388007	3/4	098268349313	1	4.1	459.50
U800M4FR	0388008	1	098268349320	1	10	479.50

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Backflow Preventers



LF008PCQT

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Spill-Resistant, Anti-Siphon Vacuum Breakers

### Series LF008PCQT

#### With Polymer Coating

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF008PCQT	0792023	3/8	098268434064	4	3.6	\$ 1,089.00
	LF008PCQT	0792024	1/2	098268434071	4	1.9	1,089.00
	LF008PCQT	0792025	3/4	098268434088	1	4.7	1,378.00
	LF008PCQT	0792026	1	098268434095	1	6.0	1,521.00

#### With Satin Chrome Finish

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF008PCQT-SC	0792027	3/8	098268434101	4	3.6	2,383.00
	LF008PCQT-SC	0792028	1/2	098268434118	4	7.4	2,383.00
	LF008PCQT-SC	0792029	3/4	098268434125	1	0.75	3,534.00
	LF008PCQT-SC	0792030	1	098268434132	1	6.0	4,022.00

## Dual Check Valves

### Series LFH7

LEAD FREE*	Model	Ordering Code	Size Inlet	Size Outlet	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFH7	0122586	Hose Connection		098268638615	25	23	\$ 422.50
	LFH7C	0792078	Hose Connection		098268434651	25	23	449.50

Suffix C – Chrome plated

### Series LF7R



LF7R

LEAD FREE*	Model	Ordering Code	Size Inlet	Size Outlet	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF7RU2-2	0072203	1/2	1/2	098268533576	25	19	117.00
	LF7RU2-2	0072204	3/4	3/4	098268533583	25	19	126.00
	LF7RU2-2	0072205	1	1	098268533590	25	20	138.50
	LF7RU2-U2	0072206	1/2	1/2	098268533606	25	24	144.00
	LF7R10-U2	0072207	1	3/4	098268533613	25	23	142.50
	LF7R10-U3	0072208	1	4	098268533620	25	23	169.50
	LF7RU2L-2 ♦	88006061	1/2	1/2	098268166248	25	18.5	128.50
	LF7RU2L-2 ♦	88006063	3/4	3/4	098268166347	25	18.5	139.00
	LF7RU2L-2 ♦	88006062	1	1	098268166330	25	20	151.50

♦ Longer lay length for retrofit

## Residential Fire Line Dual Check Valves

LEAD FREE*	Model	Ordering Code	Size Inlet	Size Outlet	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF07S	0122588	1	1	098268638646	6	19	504.50
	LF07S	0061943	1 1/2	1 1/2	098268572247	1	3.9	1,004.00
	LF07S	0061945	2	2	098268572254	1	4.3	1,103.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Double Check Valve Assemblies

4

Backflow Preventers &amp; Accessories



007-QT

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 007 and LF007

#### With Quarter-Turn Shutoff Valves

007-QT	0062131	1/2	Bronze	098268302004	1	4	\$ 449.50
007M3-QT	0062020	3/4	Bronze	098268802153	1	5	509.50
007M1-QT	0062306	1	Bronze	098268005080	1	9	575.00
007M2-QT	0062681	1 1/4	Bronze	098268739091	1	14	844.00
007M2-QT	0062616	1 1/2	Bronze	098268279337	1	16	1,063.00
007M1-QT	0062427	2	Bronze	098268295573	1	24	1,191.00
LF007-QT	0063230	1/2	Silicon Bronze	098268209723	1	4	574.00
LF007M3-QT	0063231	3/4	Silicon Bronze	098268209730	1	6	647.50
LF007M1-QT	0063232	1	Silicon Bronze	098268209747	1	10	731.00
LF007M2-QT	0063233	1 1/4	Silicon Bronze	098268209754	1	15	1,071.00
LF007M2-QT	0063234	1 1/2	Silicon Bronze	098268209761	1	16	1,352.00
LF007M1-QT	0063235	2	Silicon Bronze	098268209778	1	24	1,515.00

LEAD FREE\*

#### With Polymer Coating and Quarter-Turn Shutoff Valves

007M1-PC-QT	0062563	2	Bronze	098268556926	1	24	1,547.00
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#### With Quarter-Turn Shutoff Valves and Strainer

007-QT-S	0062132	1/2	Bronze	098268383485	1	4.5	579.50
007M3-QT-S	0062021	3/4	Bronze	098268846713	1	6.6	698.00
007M1-QT-S	0062308	1	Bronze	098268198850	1	11	806.00
007M2-QT-S	0062450	1 1/4	Bronze	098268738254	1	16	1,173.00
007M2-QT-S	0062436	1 1/2	Bronze	098268471205	1	19	1,449.00
007M1-QT-S	0062428	2	Bronze	098268350128	1	29	1,725.00
LF007-QT-S	0122601	1/2	Silicon Bronze	098268639070	1	4.5	736.00
LF007M3-QT-S	0122593	3/4	Silicon Bronze	098268638707	1	6.6	884.50
LF007M1-QT-S	0122609	1	Silicon Bronze	098268639629	1	11	1,025.00
LF007M2-QT-S	0122624	1 1/4	Silicon Bronze	098268639780	1	16	1,493.00
LF007M2-QT-S	0122619	1 1/2	Silicon Bronze	098268639735	1	19	1,844.00
LF007M1-QT-S	0122617	2	Silicon Bronze	098268639704	1	29	2,196.00

LEAD FREE\*

#### With Quarter-Turn Shutoff Valves-Inlet/Outlet Fire Hydrant Fittings (2.5" Inlet Female Hose Thread Swivel x 2.5" Outlet Male NST)

007M1-QT-HC	0063210	2	Bronze	098268914771	1	27	2,013.00
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#### With Stainless Steel Handles

007-QT-SH	0063200	1/2	Bronze	098268875263	1	3	496.00
007M3-QT-SH	0063206	3/4	Bronze	098268875324	1	9	554.50
007M1-QT-SH	0063202	1	Bronze	098268875287	1	10	626.50
007M2-QT-SH	0063203	1 1/4	Bronze	098268875294	1	23	942.00
007M2-QT-SH	0063204	1 1/2	Bronze	098268875300	1	25	1,165.00
007M1-QT-SH	0063205	2	Bronze	098268875317	1	26	1,297.00



007M1-QT-HC

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



# Double Check Valve Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series 007 and LF007 (cont.)

### With Union Connections and Quarter-Turn Shutoffs

	U007M1-QT	0062311	1	Bronze	098268307764	1	11	\$ 750.00
	U007M1-QT	0062430	2	Bronze	098268350142	1	31	1,617.00
LEAD FREE*	LFU007M2-QT	0122597	3/4	Silicon Bronze	098268638783	1	7.2	821.00
	LFU007M1-QT	0122611	1	Silicon Bronze	098268639643	1	11	953.50
	LFU007M2-QT	0124326	1 1/4	Silicon Bronze	098268829990	1	19	1,592.00
	LFU007M2-QT	0122603	1 1/2	Silicon Bronze	098268639094	1	21	1,751.00
	LFU007M1-QT	0122618	2	Silicon Bronze	098268639728	1	31	2,061.00

### With Union Connections, Quarter-Turn Shutoffs and Strainer

	U007M2-QT-S	0062121	3/4	Bronze	098268567304	1	8.0	791.50
	U007M1-QT-S	0062565	1	Bronze	098268554694	1	12	819.50
	U007M1-QT-S	0062431	2	Bronze	098268350159	1	37	2,056.00



SS007QT

### Stainless Steel Body with Quarter-Turn Shutoff

LEAD FREE*	SS007M3-QT	0062695	1/2	S.S.	098268817119	1	4.8	2,100.00
	SS007M3-QT	0062696	3/4	S.S.	098268817126	1	5.4	2,198.00
	SS007M1-QT	0062692	1	S.S.	098268572056	1	10	2,936.00

### Less Shutoff Valves

	007-LF	0062130	1/2	Bronze	098268383478	1	3.3	449.50
	007M3-LF-UL	0062022	3/4	Bronze	098268924862	1	3.3	610.00
	007M1-LF-UL	0062299	1	Bronze	098268211481	1	5.9	630.50
	007M2-LF	0062680	1 1/4	Bronze	098268739084	1	10	766.50
	007M2-LF	0062435	1 1/2	Bronze	098268471212	1	10	1,003.00
	007M1-LF	0062426	2	Bronze	098268350111	1	14	1,021.00
LEAD FREE*	LF007-LF	0122600	1/2	Silicon Bronze	098268639063	1	3.3	574.00
	LF007M1-LF-UL	0122608	1	Silicon Bronze	098268639612	1	5.9	771.00
	LF007M2-LF	0122661	1 1/4	Silicon Bronze	098268642742	1	10	976.00
	LF007M2-LF	0124001	1 1/2	Silicon Bronze	098268739220	1	10	1,278.00
	LF007M1-LF	0122616	2	Silicon Bronze	098268639698	1	14	1,303.00

### With Epoxy-Coated Quarter-Turn Ball Valve Shutoffs

LEAD FREE*	LF007-QT-FDA	0122635	2 1/2	**Iron	098268642445	1	184	10,445.00
	LF007-QT-FDA	0122639	3	**Iron	098268642483	1	158	11,927.00

### With NRS Resilient Seated Shutoff Valves

LEAD FREE*	LF007-NRS	0122614	2 1/2	**Iron	098268639674	1	159	7,585.00
	LF007-NRS	0122615	3	**Iron	098268639681	1	203	8,329.00

### With OSY Resilient Seated Shutoff Valves

LEAD FREE*	LF007-OSY	0122633	2 1/2	**Iron	098268642421	1	164	8,355.00
	LF007-OSY	0122637	3	**Iron	098268642469	1	270	9,611.00

### Less Shutoff Valves

LEAD FREE*	LF007-LF	0063236	2 1/2	**Iron	098268507522	1	78	4,856.00
	LF007-LF	0063237	3	**Iron	098268507539	1	78	5,328.00



LF007-NRS

\*\*FDA fused epoxy coated cast iron body.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Double Check Valve Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 719 and LF719

#### With Quarter-Turn Shutoff Valves

719-QT	0062761	3/4	Bronze	098268068801	1	5.3	\$ 561.00
719-QT	0062762	1	Bronze	098268068832	1	8.2	635.50
719-QT	0062763	1 1/4	Bronze	098268068856	1	15	929.00
719-QT	0062764	1 1/2	Bronze	098268068863	1	16	1,171.00
719-QT	0062765	2	Bronze	098268068986	1	24	1,313.00
LF719-QT	0065301	1/2	Silicon Bronze	098268236613	1	3.7	608.50
LF719-QT	0065302	3/4	Silicon Bronze	098268236620	1	5.3	686.00
LF719-QT	0065303	1	Silicon Bronze	098268236637	1	8.2	776.50
LF719-QT	0065304	1 1/4	Silicon Bronze	098268236644	1	14	1,141.00
LF719-QT	0065305	1 1/2	Silicon Bronze	098268236651	1	16	1,436.00
LF719-QT	0065306	2	Silicon Bronze	098268236668	1	24	1,609.00

LEAD FREE\*

#### With Quarter-Turn Shutoff Valves and Bronze Strainer

719-QT-S	0062767	3/4	Bronze	098268069013	1	7.2	744.00
719-QT-S	0062770	1 1/2	Bronze	098268069143	1	23	1,551.00
LF719-QT-S	0065307	1/2	Bronze	098268236675	1	4.4	758.50
LF719-QT-S	0065308	3/4	Silicon Bronze	098268236781	1	6.2	910.50
LF719-QT-S	0065309	1	Silicon Bronze	098268236798	1	9.4	1,058.00
LF719-QT-S	0065310	1 1/4	Silicon Bronze	098268236804	1	22	1,537.00
LF719-QT-S	0065311	1 1/2	Silicon Bronze	098268236811	1	23	1,900.00
LF719-QT-S	0065312	2	Silicon Bronze	098268236828	1	35	2,263.00

LEAD FREE\*

#### With Stainless Steel Handles

719-QT-SH	0064283	3/4	Bronze	098268207583	1	6.2	611.50
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LF719-QT



4

Backflow Preventers &amp; Accessories

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Double Check Valve Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series LF709

#### With NRS Resilient Seated Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF709-NRS	0122787	2 1/2	**Iron	098268646795	1	248	\$ 7,640.00
	LF709-NRS	0122788	3	**Iron	098268646801	1	260	8,385.00
	LF709-NRS	0122752	4	**Iron	098268646436	1	421	8,898.00
	LF709-NRS	0122792	6	**Iron	098268646849	1	898	14,677.00
	LF709-NRS	0122800	8	**Iron	098268646979	1	1821	31,258.00
LF709-NRS	0122793	10	**Iron	098268646863	1	2359	40,370.00	

#### With Strainer

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF709-NRS-S-FDA	0122824	4	**Iron	098268647211	1	600	10,525.00
	LF709-NRS-S-FDA	0122825	6	**Iron	098268647228	1	950	17,237.00
LF709-NRS-S-FDA	0122828	10	**Iron	098268647259	1	2410	47,343.00	

#### With OSY Resilient Seated Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF709-OSY	0122785	2 1/2	**Iron	098268646771	1	297	8,142.00
	LF709-OSY	0122786	3	**Iron	098268646788	1	288	8,942.00
	LF709-OSY	0122789	4	**Iron	098268646818	1	502	9,489.00
	LF709-OSY	0122790	6	**Iron	098268646825	1	893	15,658.00
	LF709-OSY	0122791	8	**Iron	098268646832	1	1512	33,344.00
	LF709-OSY	0122794	10	**Iron	098268646900	1	2003	43,058.00



LF7090SY

#### Less Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF709-LF	0792160	2 1/2	**Iron	098268437423	1	130	5,082.00
	LF709-LF	0792161	3	**Iron	098268437430	1	132	5,583.00
	LF709-LF	0792162	4	**Iron	098268437447	1	298	5,923.00
	LF709-LF	0792163	6	**Iron	098268437454	1	597	9,770.00
	LF709-LF	0792164	8	**Iron	098268437461	1	928	20,799.00
	LF709-LF	0792165	10	**Iron	098268437478	1	1573	26,857.00

\*\*FDA fused epoxy coated cast iron body.

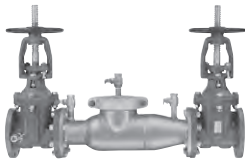
\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Double Check Valve Assemblies

4

Backflow Preventers &amp; Accessories



774-OSY

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 774

#### With NRS Resilient Seated Shutoff Valves

LEAD FREE*	774-NRS	0437700	2 1/2	S.S.	098268877991	1	140	\$ 5,438.00
	774-NRS	0437708	3	S.S.	098268878073	1	215	5,969.00
	774-NRS	0438000	4	S.S.	098268795417	1	225	6,251.00
	774-NRS	0438008	6	S.S.	098268795516	1	375	10,035.00
	774-NRS	0438024	8	S.S.	098268795493	1	680	20,111.00
	774-NRS	0438040	10	S.S.	098268795615	1	763	26,757.00
	774-NRS	0438080	12	S.S.	098268877335	1	1505	38,243.00

#### With OSY Resilient Seated Shutoff Valves

LEAD FREE*	774-OSY	0437701	2 1/2	S.S.	098268878004	1	140	5,423.00
	774-OSY	0437709	3	S.S.	098268878172	1	215	6,208.00
	774-OSY	0438001	4	S.S.	098268795424	1	265	6,408.00
	774-OSY	0438009	6	S.S.	098268795523	1	485	10,014.00
	774-OSY	0438025	8	S.S.	098268795486	1	752	19,782.00
	774-OSY	0438041	10	S.S.	098268795608	1	1144	27,245.00
	774-OSY	0438081	12	S.S.	098268877342	1	1505	37,756.00

#### With OSY Resilient Seated Shutoff Valves (Grooved Inlet x Flanged Outlet)

LEAD FREE*	774-OSY-GxF	0439501	2 1/2	S.S.	098268264111	1	140	5,423.00
	774-OSY-GxF	0439504	3	S.S.	098268264159	1	215	6,208.00
	774-OSY-GxF	0439507	4	S.S.	098268264180	1	265	6,408.00
	774-OSY-GxF	0439510	6	S.S.	098268264210	1	485	10,014.00
	774-OSY-GxF	0439513	8	S.S.	098268264241	1	752	19,782.00
	774-OSY-GxF	0439516	10	S.S.	098268264272	1	1144	27,245.00

#### With OSY Resilient Seated Shutoff Valves (Flanged Inlet x Grooved Outlet)

LEAD FREE*	774-OSY-FxG	0439502	2 1/2	S.S.	098268264128	1	140	5,423.00
	774-OSY-FxG	0439505	3	S.S.	098268264166	1	215	6,208.00
	774-OSY-FxG	0439508	4	S.S.	098268264197	1	265	6,408.00
	774-OSY-FxG	0439511	6	S.S.	098268264227	1	485	10,014.00
	774-OSY-FxG	0439514	8	S.S.	098268264258	1	752	19,782.00
	774-OSY-FxG	0439517	10	S.S.	098268264289	1	1144	27,245.00

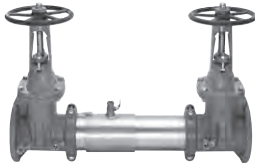
#### Less Shutoff Valves

LEAD FREE*	774-LF	0437702	2 1/2	S.S.	098268878011	1	60	3,557.00
	774-LF	0437710	3	S.S.	098268878080	1	55	3,907.00
	774-LF	0438002	4	S.S.	098268795370	1	37	4,139.00
	774-LF	0438010	6	S.S.	098268795585	1	92	6,830.00
	774-LF	0438026	8	S.S.	098268795509	1	260	14,536.00
	774-LF	0438042	10	S.S.	098268795660	1	179	18,773.00
	774-LF	0438082	12	S.S.	098268877359	1	209	26,915.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Double Check Valve Assemblies



757-OSY

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series 757

### With OSY Resilient Seated Shutoff Valves

LEAD FREE*	757-OSY	0111510	2 1/2	S.S.	098268117639	1	201	\$ 4,289.00
	757-OSY	0111511	3	S.S.	098268117646	1	323	4,718.00
	757-OSY	0111512	4	S.S.	098268117653	1	260	5,147.00
	757-OSY	0111513	6	S.S.	098268117684	1	402	8,046.00
	757-OSY	0111514	8	S.S.	098268117691	1	610	15,891.00
	757-OSY	0111515	10	S.S.	098268118117	1	922	20,105.00

### N-Pattern with OSY Resilient Seated Shutoff Valves

LEAD FREE*	757N-OSY	0111516	2 1/2	S.S.	098268118858	1	183	6,107.00
	757N-OSY	0111517	3	S.S.	098268118865	1	206	6,558.00
	757N-OSY	0111518	4	S.S.	098268118902	1	249	8,078.00
	757N-OSY	0111519	6	S.S.	098268118940	1	556	12,916.00
	757N-OSY	0111520	8	S.S.	098268118995	1	706	23,315.00
	757N-OSY	0111521	10	S.S.	098268119008	1	1092	27,742.00

### With NRS Resilient Seated Shutoff Valves

LEAD FREE*	757-NRS	0111522	2 1/2	S.S.	098268119022	1	200	3,993.00
	757-NRS	0111523	3	S.S.	098268119039	1	222	4,435.00
	757-NRS	0111524	4	S.S.	098268119091	1	260	4,876.00
	757-NRS	0111525	6	S.S.	098268119428	1	405	7,835.00
	757-NRS	0111526	8	S.S.	098268119602	1	610	15,697.00
	757-NRS	0111527	10	S.S.	098268119664	1	921	19,915.00

### N-Pattern with NRS Resilient Seated Shutoff Valves

LEAD FREE*	757N-NRS	0111528	2 1/2	S.S.	098268119732	1	173	5,650.00
	757N-NRS	0111529	3	S.S.	098268120295	1	222	6,107.00
	757N-NRS	0111530	4	S.S.	098268120301	1	249	7,627.00
	757N-NRS	0111531	6	S.S.	098268120318	1	424	12,434.00
	757N-NRS	0111532	8	S.S.	098268120325	1	664	22,590.00
	757N-NRS	0111533	10	S.S.	098268120332	1	1091	27,014.00

### With UL/FM Butterfly Valve Shutoffs (Gear operated)

LEAD FREE*	757-BFG	0111534	2 1/2	S.S.	098268120349	1	65	4,710.00
	757-BFG	0111535	3	S.S.	098268120356	1	64	5,133.00
	757-BFG	0111536	4	S.S.	098268120363	1	69	5,565.00
	757-BFG	0111537	6	S.S.	098268120370	1	232	8,475.00
	757-BFG	0111538	8	S.S.	098268120547	1	271	16,328.00

### N-Pattern with UL/FM Butterfly Valve Shutoffs (Gear operated)

LEAD FREE*	757N-BFG	0111540	2 1/2	S.S.	098268120578	1	115	6,538.00
	757N-BFG	0111541	3	S.S.	098268120608	1	80	6,984.00
	757N-BFG	0111542	4	S.S.	098268120622	1	90	8,509.00
	757N-BFG	0111543	6	S.S.	098268120776	1	250	13,361.00
	757N-BFG	0111746	8	S.S.	098268125764	1	487	17,144.00

### With Quarter-turn Ball Valve Shutoffs

LEAD FREE*	757-QT	0111757	2 1/2	S.S.	098268300628	1	54	4,193.00
	757-QT	0111758	3	S.S.	098268231861	1	60	4,657.00

### N-Pattern with Quarter-Turn Ball Valve Shutoffs

LEAD FREE*	757N-QT	0111765	2 1/2	S.S.	098268126129	1	115	5,650.00
	757N-QT	0111766	3	S.S.	098268126136	1	117	6,107.00



757N-BFG



757-QT

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Zone Assemblies

4

Backflow Preventers &amp; Accessories



LF009-QT

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 009 and LF009

#### With Quarter-Turn Shutoff Valves

009-QT	0062098	1/4	Bronze	098268080988	1	4.8	\$ 494.00
009-QT	0062096	3/8	Bronze	098268080971	1	5.6	518.00
009-QT	0062094	1/2	Bronze	098268080964	1	4.7	608.50
009M3-QT	0063030	3/4	Bronze	098268802214	1	5.5	810.00
009M2-QT	0063020	1	Bronze	098268647525	1	12	956.00
009M2-QT	0062920	1 1/4	Bronze	098268240511	1	15	1,499.00
009M2-QT	0062921	1 1/2	Bronze	098268240528	1	17	1,570.00
009M2-QT	0063010	2	Bronze	098268591781	1	29	1,863.00
LF009-QT	0391002	1/2	Silicon Bronze	098268051100	1	4.7	760.50
LF009M3-QT	0391003	3/4	Silicon Bronze	098268051117	1	6.4	1,012.00
LF009M2-QT	0391004	1	Silicon Bronze	098268051131	1	12	1,195.00
LF009M2-QT	0391005	1 1/4	Silicon Bronze	098268051148	1	17	1,875.00
LF009M2-QT	0391006	1 1/2	Silicon Bronze	098268051155	1	18	1,963.00
LF009M2-QT	0391007	2	Silicon Bronze	098268051162	1	28	2,328.00

LEAD FREE\*



009M2-QT-HC

#### With Inlet/Outlet Fire Hydrant Fittings

#### (2.5" Inlet Female Hose Thread Swivel x 2.5" Outlet Male NST)

009M2-QT HC	0436020	2	Bronze	098268914788	1	34	2,636.00
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#### Stainless Steel Body - with Quarter-Turn Shutoff Valve

SS009M3-QT	0062967	1/2	S.S.	098268817096	1	4.8	4,253.00
SS009M3-QT	0062968	3/4	S.S.	098268817102	1	5.8	4,550.00
SS009-QT	0062962	1	S.S.	098268572087	1	13	4,813.00

LEAD FREE\*



SS009-QT

#### With Quarter-Turn Shutoff Valves and Strainer

009-QT-S	0062181	1/4	Bronze	098268587296	1	5.4	552.00
009-QT-S	0062180	3/8	Bronze	098268587289	1	5.3	578.50
009-QT-S	0062095	1/2	Bronze	098268237320	1	4.9	697.50
009M3-QT-S	0063031	3/4	Bronze	098268846706	1	6.7	945.00
009M2-QT-S	0063021	1	Bronze	098268647532	1	13	1,126.00
009M2-QT-S	0062950	1 1/4	Bronze	098268489224	1	18	1,730.00
009M2-QT-S	0062952	1 1/2	Bronze	098268489248	1	21	1,894.00
009M2-QT-S	0063011	2	Bronze	098268591798	1	34	2,259.00
LF009-QT-S	0122606	1/4	Silicon Bronze	098268639599	1	5.4	687.50
LF009-QT-S	0122605	3/8	Silicon Bronze	098268639179	1	5.3	721.50
LF009-QT-S	0122596	1/2	Silicon Bronze	098268638752	1	4.9	867.50
LF009M3-QT-S	0122695	3/4	Silicon Bronze	098268643299	1	6.7	1,181.00
LF009M2-QT-S	0122693	1	Silicon Bronze	098268643213	1	13	1,406.00
LF009M2-QT-S	0122688	1 1/4	Silicon Bronze	098268643046	1	18	2,160.00
LF009M2-QT-S	0122689	1 1/2	Silicon Bronze	098268643053	1	21	2,368.00
LF009M2-QT-S	0122692	2	Silicon Bronze	098268643091	1	34	2,824.00

LEAD FREE\*

#### With Union Connections and Quarter-Turn Shutoffs

U009-QT	0062085	1/2	Bronze	098268256918	1	6.0	703.00
U009M2-QT	0062288	3/4	Bronze	098268325331	1	7.8	919.50
U009M2-QT	0437012	1	Bronze	098268875683	1	13	1,094.00
U009M2-QT	0062922	1 1/4	Bronze	098268271003	1	20	1,682.00
U009M2-QT	0062923	1 1/2	Bronze	098268271010	1	23	1,863.00
U009M2-QT	0436073	2	Bronze	098268824339	1	36	2,230.00
LFU009-QT	0122594	1/2	Silicon Bronze	098268638714	1	6.0	876.50
LFU009M2-QT	0122607	3/4	Silicon Bronze	098268639605	1	7.8	1,148.00
LFU009M2-QT	0122847	1	Silicon Bronze	098268647440	1	13	1,367.00
LFU009M2-QT	0122686	1 1/4	Silicon Bronze	098268643022	1	20	2,103.00
LFU009M2-QT	0122687	1 1/2	Silicon Bronze	098268643039	1	23	2,329.00
LFU009M2-QT	0122841	2	Silicon Bronze	098268647389	1	36	2,787.00

LEAD FREE\*

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Zone Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 009 and LF009 (cont.)

#### With Union Connections, Quarter-Turn Shutoffs and Strainer

U009-QT-S	0062086	1/2	Bronze	098268260649	1	5.9	\$ 810.00
U009M2-QT-S	0062287	3/4	Bronze	098268325348	1	8.6	1,082.00
U009M2-QT-S	0437013	1	Bronze	098268875690	1	15	1,359.00
U009M2-QT-S	0062951	1 1/4	Bronze	098268489231	1	22	1,969.00
U009M2-QT-S	0062953	1 1/2	Bronze	098268489262	1	27	2,202.00
U009M2-QT-S	0436074	2	Bronze	098268827408	1	41	2,708.00
LFU009-QT-S	0124319	1/2	Silicon Bronze	098268829716	1	5.9	1,012.00
LFU009M2-QT-S	0124320	3/4	Silicon Bronze	098268829839	1	8.6	1,355.00
LFU009M2-QT-S	0122848	1	Silicon Bronze	098268647457	1	15	1,698.00
LFU009M2-QT-S	0124321	1 1/4	Silicon Bronze	098268829846	1	22	2,462.00
LFU009M2-QT-S	0124322	1 1/2	Silicon Bronze	098268829853	1	27	2,754.00
LFU009M2-QT-S	0122842	2	Silicon Bronze	098268647396	1	41	3,380.00

LEAD FREE\*

#### With Polymer Coating and Quarter-Turn Shutoffs

009M2PC-QT	0436040	3/4	Bronze	098268420197	1	6	936.50
009M2PC-QT	0436076	1	Bronze	098268874419	1	11	1,106.00
009M2PC-QT	0436042	1 1/4	Bronze	098268420210	1	17	1,734.00
009M2PC-QT	0436043	1 1/2	Bronze	098268420227	1	18	1,873.00
009M2PC-QT	0436039	2	Bronze	098268741803	1	30	2,156.00
LF009M2-PC-QT	0122837	3/4	Silicon Bronze	098268647341	1	6	1,172.00

LEAD FREE\*

#### With Union Connections, Polymer Coating and Quarter-Turn Shutoffs

U009M2PC-QT	0436070	2	Bronze	098268824315	1	36	2,493.00
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#### With Union Angle Inlet x Union Angle Outlet

U009A-QT	0062451	3/4	Bronze	098268322088	1	13	1,106.00
U009M2A-QT	0437014	1	Bronze	098268875706	1	14	1,114.00
U009M2A-QT	0062465	1 1/2	Bronze	098268350555	1	25	1,888.00
U009M2A-QT	0436072	2	Bronze	098268824322	1	37	2,345.00

#### With Stainless Steel Handles

009-QT-SH	0436010	1/2	Bronze	098268875331	1	5	658.50
009M3-QT-SH	0436016	3/4	Bronze	098268875393	1	10	865.00
009M2-QT-SH	0436012	1	Bronze	098268875355	1	12	1,015.00
009M2-QT-SH	0436013	1 1/4	Bronze	098268875362	1	28	1,612.00
009M2-QT-SH	0436014	1 1/2	Bronze	098268875379	1	19	1,734.00
009M2-QT-SH	0436015	2	Bronze	098268875386	1	32	1,988.00

#### Less Shutoff Valves

009-LF	0062087	1/2	Bronze	098268648591	1	3.7	571.50
009M3-LF	0062973	3/4	Bronze	098268924879	1	4.0	802.50
009M2-LF	0437010	1	Bronze	098268875669	1	10	935.00
009M2-LF	0062956	1 1/4	Bronze	098268744699	1	12	1,485.00
009M2-LF	0062954	1 1/2	Bronze	098268639391	1	12	1,666.00
009M2-LF	0063022	2	Bronze	098268783209	1	18	1,722.00
LF009-LF	0122595	1/2	Silicon Bronze	098268638745	1	3.7	713.50
LF009M3-LF	0124323	3/4	Silicon Bronze	098268829860	1	4.0	1,002.00
LF009M2-LF	0124325	1	Silicon Bronze	098268829884	1	10	1,166.00
LF009M2-LF	0122691	1 1/4	Silicon Bronze	098268643077	1	12	1,857.00
LF009M2-LF	0122690	1 1/2	Silicon Bronze	098268643060	1	12	2,087.00
LF009M2-LF	0122694	2	Silicon Bronze	098268643282	1	18	2,151.00

LEAD FREE\*



009PC-QT



U009A-QT

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Zone Assemblies

4

Backflow Preventers &amp; Accessories



LF009-NRS

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 009 and LF009 (cont.)

#### With NRS Resilient Seated Shutoff Valves

LEAD FREE*	LF009-NRS	0122612	2 1/2	**Iron	098268639650	1	185	\$ 6,937.00
	LF009-NRS	0122613	3	**Iron	098268639667	1	225	7,825.00

#### With OSY Resilient Seated Shutoff Valves

LEAD FREE*	LF009-OSY	0122643	2 1/2	**Iron	098268642520	1	224	7,483.00
	LF009-OSY	0122651	3	**Iron	098268642643	1	198	8,731.00

#### With NRS Resilient Seated Shutoff Valves and FDA Epoxy-Coated Strainer

LEAD FREE*	LF009-NRS-S-FDA	0122646	2 1/2	**Iron	098268642551	1	203	8,358.00
	LF009-NRS-S-FDA	0122654	3	**Iron	098268642674	1	245	9,477.00

#### With OSY Resilient Seated Shutoff Valves and FDA Epoxy-Coated Strainer

LEAD FREE*	LF009-OSY-S-FDA	0122647	2 1/2	**Iron	098268642568	1	206	8,946.00
	LF009-OSY-S-FDA	0124317	3	**Iron	098268828740	1	206	10,252.00

#### With Quarter-Turn Resilient Seated Ball Shutoff Valves

LEAD FREE*	LF009-QT-FDA	0122645	2 1/2	**Iron	098268642544	1	150	9,330.00
	LF009-QT-FDA	0122653	3	**Iron	098268642667	1	158	10,822.00

#### Less Shutoff Valves

LEAD FREE*	LF009-LF	0122642	2 1/2	**Iron	098268642513	1	81	5,818.00
	LF009-LF	0122650	3	**Iron	098268642636	1	82	6,622.00



919-QT

### Series 919 and LF919

#### With Quarter-Turn Shutoff Valves

LEAD FREE*	919-QT	0062774	1	Bronze	098268069686	1	11	\$ 1,041.00
	919-QT	0062775	1 1/4	Bronze	098268069754	1	23	1,630.00
	919-QT	0062776	1 1/2	Bronze	098268069761	1	25	1,709.00
	919-QT	0062777	2	Bronze	098268069778	1	33	2,024.00
	LF919-QT	0065372	3/4	Bronze	098268238518	1	7.8	1,081.00
	LF919-QT	0065373	1	Bronze	098268238556	1	11	1,275.00
	LF919-QT	0065374	1 1/4	Bronze	098268238631	1	23	2,000.00
	LF919-QT	0065375	1 1/2	Bronze	098268238648	1	24	2,094.00
	LF919-QT	0065376	2	Bronze	098268238709	1	32	2,483.00

#### With Quarter-Turn Shutoff Valves and Strainer

LEAD FREE*	919-QT-S	0062780	1	Bronze	098268069808	1	14	1,223.00
	919-QT-S	0062781	1 1/4	Bronze	098268069860	1	28	1,881.00
	919-QT-S	0062783	2	Bronze	098268069884	1	44	2,462.00
	LF919-QT-S	0065378	3/4	Bronze	098268238723	1	10	1,259.00
	LF919-QT-S	0065379	1	Bronze	098268238730	1	14	1,500.00
	LF919-QT-S	0065380	1 1/4	Bronze	098268238747	1	28	2,306.00
	LF919-QT-S	0065381	1 1/2	Bronze	098268238754	1	33	2,527.00
	LF919-QT-S	0065382	2	Bronze	098268238778	1	44	3,010.00

#### Z-Pattern With Quarter-Turn Shutoff Valves

LEAD FREE*	919Z-QT	0062837	3/4	Bronze	098268095623	1	8.3	1,383.00
	919Z-QT	0062838	1	Bronze	098268095647	1	13	1,391.00
	919Z-QT	0062839	1 1/4	Bronze	098268095661	1	29	2,112.00
	919Z-QT	0062840	1 1/2	Bronze	098268095678	1	34	2,363.00

\*\*FDA fused epoxy coated cast iron body.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Reduced Pressure Zone Assemblies



LF909-QT

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series LF909

#### With Quarter-Turn Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF909-QT	0391008	3/4	Silicon Bronze	098268051179	1	15	\$ 2,323.00
	LF909-QT	0391009	1	Silicon Bronze	098268051186	1	17	2,744.00
	LF909M1-QT	0391010	1 1/4	Silicon Bronze	098268051193	1	37	4,294.00
	LF909M1-QT	0391011	1 1/2	Silicon Bronze	098268051209	1	39	4,625.00
	LF909M1-QT	0391012	2	Silicon Bronze	098268051230	1	43	5,329.00

#### With Quarter-Turn Shutoff Valves and Strainer

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF909-QT-S	0122774	3/4	Silicon Bronze	098268646665	1	18	2,654.00
	LF909-QT-S	0122775	1	Silicon Bronze	098268646672	1	18	3,151.00
	LF909M1-QT-S	0122765	1 1/4	Silicon Bronze	098268646566	1	40	4,861.00
	LF909M1-QT-S	0122766	1 1/2	Silicon Bronze	098268646573	1	42	5,301.00
	LF909M1-QT-S	0122767	2	Silicon Bronze	098268646580	1	49	6,269.00

#### With Quarter-Turn Shutoff Valves and Stainless Steel Check Modules

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF909HW-QT	0792031	3/4	Silicon Bronze	098268434149	1	16	3,357.00
	LF909HW-QT	0792032	1	Silicon Bronze	098268434156	1	17	3,956.00
	LF909HWM1-QT	0792033	1 1/4	Silicon Bronze	098268434163	1	38	6,215.00
	LF909HWM1-QT	0792034	1 1/2	Silicon Bronze	098268434170	1	41	6,696.00
	LF909HWM1-QT	0792035	2	Silicon Bronze	098268434187	1	44	7,710.00

#### With Quarter-Turn Shutoff Valves, Stainless Steel Check Modules and Strainer

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF909-QT-S-HW	0122771	3/4	Silicon Bronze	098268646627	1	17	3,761.00
	LF909-QT-S-HW	0122772	1	Silicon Bronze	098268646634	1	18	4,469.00
	LF909M1-QT-S-HW	0122768	1 1/4	Silicon Bronze	098268646597	1	41	6,895.00
	LF909M1-QT-S-HW	0122769	1 1/2	Silicon Bronze	098268646603	1	44	7,521.00
	LF909M1-QT-S-HW	0122770	2	Silicon Bronze	098268646610	1	50	8,893.00

### Series LF909-FS Large models (2 1/2"-10)

#### With NRS Resilient Seated Shutoff Valves with Integrated Flood Sensor

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF909-NRS-FS	88009307	2 1/2	**Iron	098268291568	1	259	12,470.00
	LF909-NRS-FS	88009301	3	**Iron	098268291438	1	278	14,181.00
	LF909-NRS-FS	88009303	4	**Iron	098268291513	1	500	17,725.00
	LF909-NRS-FS	88009306	6	**Iron	098268291551	1	864	25,751.00
	LF909M1-NRS-FS	88009312	8	**Iron	098268291612	1	1456	43,064.00
	LF909M1-NRS-FS	88009320	10	**Iron	098268291698	1	2160	57,035.00

#### With NRS Resilient Seated Shutoff Valves and Epoxy-Coated Strainer with Integrated Flood Sensor

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF909-NRS-S-FDA-FS	88009355	2 1/2	**Iron	098268292930	1	301	13,475.00
	LF909-NRS-S-FDA-FS	88009326	3	**Iron	098268292046	1	277	15,235.00
	LF909-NRS-S-FDA-FS	88009325	4	**Iron	098268292039	1	640	19,347.00
	LF909-NRS-S-FDA-FS	88009332	6	**Iron	098268292169	1	1032	28,804.00
	LF909M1-NRS-S-FDA-FS	88009400	8	**Iron	098268295481	1	1731	46,832.00
	LF909M1-NRS-S-FDA-FS	88009358	10	**Iron	098268293074	1	2573	63,953.00

#### With OSY Resilient Seated Shutoff Valves with Integrated Flood Sensor

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF909-OSY-FS	88009308	2 1/2	**Iron	098268291575	1	302	13,298.00
	LF909-OSY-FS	88009304	3	**Iron	098268291520	1	340	15,129.00
	LF909-OSY-FS	88009302	4	**Iron	098268291506	1	563	18,903.00
	LF909-OSY-FS	88009305	6	**Iron	098268291537	1	864	27,471.00
	LF909M1-OSY-FS	88009309	8	**Iron	098268291582	1	1456	45,938.00
	LF909M1-OSY-FS	88009317	10	**Iron	098268291667	1	2401	60,836.00

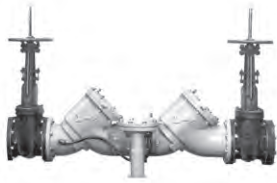
\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Zone Assemblies

4

Backflow Preventers &amp; Accessories



LF909-OSY



LF909-QT-S-FDA

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series LF909-FS Large models (cont.)

#### With Epoxy-Coated Quarter-Turn Ball Valve Shutoffs with Integrated Flood Sensor

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF909-OSY-S-FDA-FS	88009357	2 1/2	**Iron	098268293043	1	240	\$ 14,302.00
LF909-OSY-S-FDA-FS	88009333	3	**Iron	098268292220	1	282	16,183.00
LF909-OSY-S-FDA-FS	88009336	4	**Iron	098268292251	1	651	20,526.00
LF909-OSY-S-FDA-FS	88009359	6	**Iron	098268293234	1	1032	30,519.00
LF909M1-OSY-S-FDA-FS	88009401	8	**Iron	098268295498	1	1456	49,700.00
LF909M1-OSY-S-FDA-FS	88009354	10	**Iron	098268292923	1	2645	67,758.00

#### Iron Body With FDA Epoxy-Coated Quarter-Turn Ball Valve Shutoffs with Integrated Flood Sensor

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF909-QT-FDA-FS	88009363	2 1/2	**Iron	098268293517	1	227	15,958.00
LF909-QT-FDA-FS	88009342	3	**Iron	098268292411	1	250	18,146.00
LF909-QT-FDA-FS	88009343	4	**Iron	098268292428	1	477	22,682.00
LF909-QT-FDA-FS	88009391	6	**Iron	098268295160	1	864	35,270.00
LF909M1-QT-FDA-FS	88009392	8	**Iron	098268295177	1	2160	55,121.00

#### With Epoxy-Coated Quarter-Turn Ball Valve Shutoffs and Strainer with Integrated Flood Sensor

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF909-QT-S-FDA-FS	88009356	2 1/2	**Iron	098268293029	1	326	16,960.00
LF909-QT-S-FDA-FS	88009347	3	**Iron	098268292466	1	343	19,211.00
LF909-QT-S-FDA-FS	88009376	4	**Iron	098268295894	1	595	24,307.00
LF909-QT-S-FDA-FS	88009335	6	**Iron	098268292244	1	935	36,010.00
LF909M1-QT-S-FDA-FS	88009393	8	**Iron	098268295191	1	2561	58,886.00

#### Less Shutoff Valves with Integrated Flood Sensor

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF909LF-FS	88009337	2 1/2	**Iron	098268292268	1	114	8,315.00
LF909LF-FS	88009315	3	**Iron	098268291643	1	114	9,456.00
LF909LF-FS	88009316	4	**Iron	098268291650	1	375	11,816.00
LF909LF-FS	88009330	6	**Iron	098268292145	1	466	17,170.00
LF909M1-LF-FS	88009388	8	**Iron	098268295092	1	836	28,715.00
LF909M1-LF-FS	88009351	10	**Iron	098268292787	1	1246	38,031.00

\*FDA fused epoxy coated cast iron body.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Zone Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
<b>Series LF909-FS</b>							
<b>With NRS Resilient Seated Shutoff Valves, Cast Iron Strainer with Integrated Flood Sensor</b>							
LF909-NRS-S-FS	88009394	2 1/2	**Iron	098268295207	1	235	\$ 12,877.00
LF909M1-NRS-S-FS	88009395	8	**Iron	098268295214	1	1770	45,625.00
<b>With NRS Resilient Seated Shutoff Valves, Cast Iron Strainer with Integrated Flood Sensor</b>							
LF909-OSY-S-FS	88009396	2 1/2	**Iron	098268295221	1	240	13,711.00
LF909-OSY-S-FS	88009397	4	**Iron	098268295238	1	640	19,649.00
<b>With Domestic NRS Resilient Seated Shutoff Valves with Integrated Flood Sensor</b>							
LF909-DNRS-FS	88009319	2 1/2	**Iron	098268291681	1	288	12,470.00
LF909-DNRS-FS	88009314	3	**Iron	098268291636	1	277	14,181.00
LF909-DNRS-FS	88009311	4	**Iron	098268291605	1	543	17,725.00
LF909-DNRS-FS	88009322	6	**Iron	098268291988	1	1032	25,751.00
LF909M1-DNRS-FS	88009327	8	**Iron	098268292053	1	1456	50,110.00
LF909M1-DNRS-FS	88009402	10	**Iron	098268295528	1	2160	61,028.00
<b>With Domestic NRS Resilient Seated Shutoff Valves, Cast Iron Strainer with Integrated Flood Sensor</b>							
LF909-DNRS-S-FS	88009398	2 1/2	**Iron	098268295467	1	338	13,475.00
LF909-DNRS-S-FS	88009399	3	**Iron	098268295474	1	361	14,770.00
<b>With Domestic OSY Resilient Seated Shutoff Valves with Integrated Flood Sensor</b>							
LF909-DOSY-FS	88009328	2 1/2	**Iron	098268292121	1	198	13,298.00
LF909-DOSY-FS	88009313	3	**Iron	098268291629	1	282	15,129.00
LF909-DOSY-FS	88009310	4	**Iron	098268291599	1	640	18,903.00
LF909-DOSY-FS	88009318	6	**Iron	098268291674	1	1032	27,471.00
LF909M1-DOSY-FS	88009348	8	**Iron	098268292688	1	1456	45,938.00
LF909M1-DOSY-FS	88009353	10	**Iron	098268292916	1	2230	65,095.00
<b>With NRS Resilient Seated Shutoff Valves with Integrated Flood Sensor and Pre-Drilled Bolts</b>							
LF909LF NYC-FS	88009406	3	**Iron	098268295610	1	114	11,347.00
<b>With NRS Resilient Seated Shutoff Valves with Integrated Flood Sensor, Pre-Drilled Bolts and Discharge Control Plate</b>							
LF909LF NYC-FS	88009409	4	**Iron	098268295719	1	333	14,181.00
<b>With NRS Resilient Seated Shutoff Valves with Integrated Flood Sensor and Pre-Drilled Bolts</b>							
LF909-NRS NYC-FS	88009405	3	**Iron	098268295603	1	263	17,016.00
<b>With NRS Resilient Seated Shutoff Valves with Integrated Flood Sensor, Pre-Drilled Bolts and Discharge Control Plate</b>							
LF909-NRS NYC-FS	88009408	4	**Iron	098268295702	1	495	21,269.00
<b>With OSY Resilient Seated Shutoff Valves with Integrated Flood Sensor and Pre-Drilled Bolts</b>							
LF909-OSY NYC-FS	88009403	2 1/2	**Iron	098268295559	1	302	15,958.00
LF909-OSY NYC-FS	88009404	3	**Iron	098268295597	1	340	18,156.00
<b>With OSY Resilient Seated Shutoff Valves with Integrated Flood Sensor, Pre-Drilled Bolts and Discharge Control Plate</b>							
LF909-OSY NYC-FS	88009407	4	**Iron	098268295689	1	563	22,684.00
LF909-OSY NYC-FS	88009410	6	**Iron	098268295726	1	830	32,964.00
LF909M1-OSY NYC-FS	88009411	8	**Iron	098268295795	1	1456	55,124.00

\*\*FDA fused epoxy coated cast iron body.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Zone Assemblies

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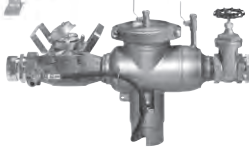
Backflow Preventers &amp; Accessories



994-OSY



994BLT



994HMB

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 994

#### With NRS Resilient Seated Shutoff Valves

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
994-NRS	0437800	2 1/2	S.S.	098268882926	1	148	\$ 7,169.00
994-NRS	0437804	3	S.S.	098268882964	1	226	8,096.00
994-NRS	0438048	4	S.S.	098268795936	1	410	9,268.00
994-NRS	0438056	6	S.S.	098268795707	1	380	14,757.00
994-NRS	0438064	8	S.S.	098268795790	1	571	25,827.00
994-NRS	0438072	10	S.S.	098268795844	1	773	34,325.00

#### With OSY Resilient Seated Shutoff Valves

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
994-OSY	0437801	2 1/2	S.S.	098268882933	1	148	7,664.00
994-OSY	0437805	3	S.S.	098268882971	1	226	8,909.00
994-OSY	0438049	4	S.S.	098268795981	1	350	9,854.00
994-OSY	0438057	6	S.S.	098268795677	1	425	15,677.00
994-OSY	0438065	8	S.S.	098268795783	1	752	27,441.00
994-OSY	0438073	10	S.S.	098268795868	1	805	37,394.00

#### With OSY Resilient Seated Shutoff Valves (Grooved Inlet x Flanged Outlet)

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
994-OSY-GxF	0438601	2 1/2	S.S.	098268263558	1	148	7,664.00
994-OSY-GxF	0438604	3	S.S.	098268263589	1	226	8,909.00
994-OSY-GxF	0438607	4	S.S.	098268263619	1	250	9,854.00
994-OSY-GxF	0438610	6	S.S.	098268263640	1	380	15,677.00
994-OSY-GxF	0438613	8	S.S.	098268263671	1	571	27,441.00
994-OSY-GxF	0438616	10	S.S.	098268263701	1	773	37,394.00

#### With OSY Resilient Seated Shutoff Valves (Flanged Inlet x Grooved Outlet)

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
994-OSY-FxG	0438602	2 1/2	S.S.	098268263565	1	148	7,664.00
994-OSY-FxG	0438605	3	S.S.	098268263596	1	226	8,909.00
994-OSY-FxG	0438608	4	S.S.	098268263626	1	250	9,854.00
994-OSY-FxG	0438611	6	S.S.	098268263657	1	380	15,677.00
994-OSY-FxG	0438614	8	S.S.	098268263688	1	571	27,441.00
994-OSY-FxG	0438617	10	S.S.	098268263718	1	773	37,394.00

#### Less Shutoff Valves

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
994-LF	0437802	2 1/2	S.S.	098268882940	1	60	5,647.00
994-LF	0437806	3	S.S.	098268882988	1	53	6,423.00
994-LF	0438050	4	S.S.	098268795929	1	65	7,568.00
994-LF	0438058	6	S.S.	098268795684	1	110	12,217.00
994-LF	0438066	8	S.S.	098268795820	1	179	21,624.00
994-LF	0438074	10	S.S.	098268795899	1	189	28,096.00

#### Portable Hydrant Backflow

994BLT	0437815	2 1/2 - 3	S.S.	098268262230	1	122	7,147.00
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#### Hydrant Meter Backflow

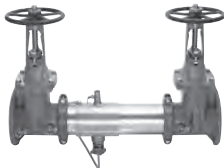
994HMB-GPM	0437808	3	S.S.	098268923391	1	140	16,549.00
994HMB-CFM	0437809	3	S.S.	098268262223	1	140	16,549.00

\*FDA fused epoxy coated cast iron body.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Zone Assemblies



957-OSY

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 957

#### With OSY Resilient Seated Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957-OSY	0111584	2 1/2	S.S.	098268121971	1	225	\$ 6,430.00
	957-OSY	0111585	3	S.S.	098268121988	1	233	7,187.00
	957-OSY	0111586	4	S.S.	098268122008	1	265	7,950.00
	957-OSY	0111587	6	S.S.	098268122152	1	420	12,652.00
	957-OSY	0111588	8	S.S.	098268122169	1	633	21,964.00
	957-OSY	0111589	10	S.S.	098268122176	1	924	26,963.00

#### N-Pattern with OSY Resilient Seated Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957N-OSY	0111590	2 1/2	S.S.	098268122183	1	186	8,633.00
	957N-OSY	0111591	3	S.S.	098268122190	1	211	9,430.00
	957N-OSY	0111592	4	S.S.	098268122220	1	300	11,465.00
	957N-OSY	0111593	6	S.S.	098268122237	1	520	18,500.00
	957N-OSY	0111594	8	S.S.	098268122244	1	709	28,264.00
	957N-OSY	0111595	10	S.S.	098268122251	1	1091	33,504.00

#### Z-Pattern with OSY Resilient Seated Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957Z-OSY	0111596	2 1/2	S.S.	098268122268	1	186	8,633.00
	957Z-OSY	0111597	3	S.S.	098268122275	1	211	9,430.00
	957Z-OSY	0111598	4	S.S.	098268122282	1	252	11,465.00
	957Z-OSY	0111599	6	S.S.	098268122299	1	449	18,500.00
	957Z-OSY	0111600	8	S.S.	098268122367	1	709	28,264.00
	957Z-OSY	0111601	10	S.S.	098268122435	1	1091	33,504.00

#### With NRS Resilient Seated Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957-NRS	0111602	2 1/2	S.S.	098268122459	1	211	5,333.00
	957-NRS	0111603	3	S.S.	098268122534	1	225	6,527.00
	957-NRS	0111604	4	S.S.	098268122541	1	264	7,472.00
	957-NRS	0111605	6	S.S.	098268122626	1	402	11,886.00
	957-NRS	0111606	8	S.S.	098268122657	1	645	21,186.00
	957-NRS	0111607	10	S.S.	098268122701	1	1131	25,731.00

#### N-Pattern with NRS Resilient Seated Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957N-NRS	0111608	2 1/2	S.S.	098268122732	1	176	5,869.00
	957N-NRS	0111609	3	S.S.	098268122749	1	235	6,856.00
	957N-NRS	0111610	4	S.S.	098268122985	1	275	8,610.00
	957N-NRS	0111611	6	S.S.	098268123319	1	427	13,909.00
	957N-NRS	0111612	8	S.S.	098268123449	1	667	18,356.00
	957N-NRS	0111613	10	S.S.	098268123494	1	1093	22,292.00

#### Z-Pattern with NRS Resilient Seated Shutoff Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957Z-NRS	0111614	2 1/2	S.S.	098268123531	1	176	5,869.00
	957Z-NRS	0111615	3	S.S.	098268123548	1	240	6,856.00
	957Z-NRS	0111616	4	S.S.	098268123555	1	270	8,610.00
	957Z-NRS	0111617	6	S.S.	098268123562	1	427	13,909.00
	957Z-NRS	0111618	8	S.S.	098268123579	1	667	18,356.00
	957Z-NRS	0111619	10	S.S.	098268123586	1	1093	22,292.00

#### With NRS Resilient Seated Shutoff Valves and Cast Iron Strainer

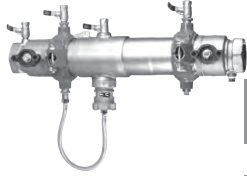
LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957-NRS-S	0111825	2 1/2	S.S.	098268260137	1	176	4,849.00
	957-NRS-S	0111826	3	S.S.	098268260144	1	297	5,915.00
	957-NRS-S	0111827	4	S.S.	098268260175	1	399	7,181.00
	957-NRS-S	0111828	6	S.S.	098268260182	1	427	11,748.00
	957-NRS-S	0111829	8	S.S.	098268260199	1	667	20,738.00
	957-NRS-S	0111830	10	S.S.	098268260212	1	1093	26,829.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Zone Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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957-QT

### Series 957 (cont.)

#### With Quarter-Turn Ball Valve Shutoffs

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957-QT	0111760	2 1/2	S.S.	098268300635	1	64	\$ 5,602.00
	957-QT	0111761	3	S.S.	098268336689	1	60	6,855.00

#### N-Pattern with Quarter-Turn Ball Valve Shutoffs

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957N-QT	0111668	2 1/2	S.S.	098268124750	1	118	7,472.00
	957N-QT	0111669	3	S.S.	098268124767	1	120	8,722.00

#### Z-Pattern with Quarter-Turn Ball Valve Shutoffs

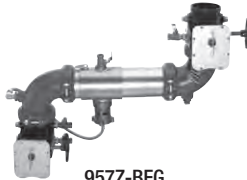
LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957Z-QT	0111777	2 1/2	S.S.	098268126211	1	118	7,472.00
	957Z-QT	0111778	3	S.S.	098268126228	1	120	8,722.00

#### N-Pattern with UL/FM Butterfly Valve Shutoffs (Gear Operated)

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957N-BFG	0111780	2 1/2	S.S.	098268126242	1	118	9,496.00
	957N-BFG	0111781	3	S.S.	098268126259	1	92	10,370.00
	957N-BFG	0111782	4	S.S.	098268126266	1	135	12,611.00
	957N-BFG	0111783	6	S.S.	098268126273	1	271	20,350.00

#### Z-Pattern with UL/FM Butterfly Valve Shutoffs (Gear Operated)

LEAD FREE*	Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	957Z-BFG	0111784	2 1/2	S.S.	098268126280	1	90	9,496.00
	957Z-BFG	0111785	3	S.S.	098268126297	1	87	10,370.00
	957Z-BFG	0111786	4	S.S.	098268126303	1	98	12,611.00
	957Z-BFG	0111787	6	S.S.	098268126310	1	300	20,350.00



957Z-BFG

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Double Check Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 007DCDA

#### Less Shutoffs — CFM/GPM Meter

007M1DCDA-LF-CFM	0062727	2	Bronze	098268573121	1	88	\$ 7,312.00
007DCDA-LF-CFM	0062516	2 1/2	**Iron	098268489279	1	170	13,854.00
007DCDA-LF-CFM	0062518	3	**Iron	098268489293	1	200	14,449.00
007M1DCDA-LF-GPM	0062728	2	Bronze	098268573138	1	88	7,312.00
007DCDA-LF-GPM	0062515	2 1/2	**Iron	098268488104	1	170	13,854.00
007DCDA-LF-GPM	0062517	3	**Iron	098268489286	1	200	14,449.00

#### With OSY Shutoffs — CFM/GPM Meter

007M1DCDA-OSY-CFM	0062725	2	†Bronze	098268573107	1	141	9,167.00
007DCDAOSY-CFM	0062511	2 1/2	**Iron	098268316827	1	179	11,368.00
007DCDAOSY-CFM	0062513	3	**Iron	098268316803	1	211	12,009.00
007M1DCDA-OSY-GPM	0062726	2	†Bronze	098268574883	1	155	9,167.00
007DCDAOSY-GPM	0062510	2 1/2	**Iron	098268316834	1	179	11,368.00
007DCDAOSY-GPM	0062512	3	**Iron	098268573114	1	211	12,009.00

### Series 709DCDA

#### Less Shutoffs — CFM/GPM Meter

709DCDA-LF-CFM	0384741	3	**Iron	098268278187	1	150	7,474.00
709DCDA-LF-CFM	0384815	4	**Iron	098268021394	1	320	7,931.00
709DCDA-LF-CFM	0384816	6	**Iron	098268021400	1	450	13,087.00
709DCDA-LF-CFM	0384817	8	**Iron	098268021417	1	946	27,869.00
709DCDA-LF-CFM	0384818	10	**Iron	098268021424	1	1332	35,985.00
709DCDA-LF-GPM	0384740	3	**Iron	098268278170	1	150	7,474.00
709DCDA-LF-GPM	0384662	4	**Iron	098268021035	1	320	7,931.00
709DCDA-LF-GPM	0384666	6	**Iron	098268021042	1	450	13,087.00
709DCDA-LF-GPM	0387064	8	**Iron	098268023824	1	794	27,869.00
709DCDA-LF-GPM	0387068	10	**Iron	098268023862	1	1332	35,985.00

#### With OSY Shutoffs — CFM/GPM Meter

709DCDA-OSY-CFM	0387052	3	**Iron	098268023725	1	327	11,955.00
709DCDA-OSY-CFM	0387058	4	**Iron	098268023770	1	522	12,683.00
709DCDA-OSY-CFM	0387069	6	**Iron	098268023879	1	893	18,608.00
709DCDA-OSY-CFM	0387088	8	**Iron	098268024005	1	1512	36,331.00
709DCDA-OSY-CFM	0387090	10	**Iron	098268024029	1	2332	46,915.00
709DCDA-OSY-GPM	0387745	3	**Iron	098268025408	1	327	11,955.00
709DCDA-OSY-GPM	0385680	4	**Iron	098268022216	1	500	12,683.00
709DCDA-OSY-GPM	0387082	6	**Iron	098268023961	1	893	18,608.00
709DCDA-OSY-GPM	0387070	8	**Iron	098268023886	1	1329	36,331.00
709DCDA-OSY-GPM	0387092	10	**Iron	098268080940	1	2299	46,915.00



709DCDA OSY

\*\*FDA fused epoxy coated cast iron body.

† Bronze body with epoxy coated cast iron OSY gate valves.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Double Check Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 774DCDA

#### Less Shutoffs — CFM/GPM Meter

774DCDA-LF-CFM	0437706	2 1/2	S.S.	098268878059	1	68	\$ 5,808.00
774DCDA-LF-CFM	0437714	3	S.S.	098268878127	1	70	7,145.00
774DCDA-LF-CFM	0438006	4	S.S.	098268795387	1	73	7,621.00
774DCDA-LF-CFM	0438014	6	S.S.	098268795547	1	102	8,996.00
774DCDA-LF-CFM	0438030	8	S.S.	098268795479	1	190	16,735.00
774DCDA-LF-CFM	0438046	10	S.S.	098268795622	1	275	21,536.00
774DCDA-LF-CFM	0438086	12	S.S.	098268877397	1	220	28,640.00
774DCDA-LF-GPM	0437707	2 1/2	S.S.	098268878066	1	68	5,808.00
774DCDA-LF-GPM	0437715	3	S.S.	098268878134	1	70	7,145.00
774DCDA-LF-GPM	0438007	4	S.S.	098268795356	1	73	7,621.00
774DCDA-LF-GPM	0438015	6	S.S.	098268795554	1	92	8,996.00
774DCDA-LF-GPM	0438031	8	S.S.	098268795455	1	275	16,735.00
774DCDA-LF-GPM	0438047	10	S.S.	098268795639	1	190	21,536.00
774DCDA-LF-GPM	0438087	12	S.S.	098268877403	1	220	28,640.00

#### With OSY Shutoffs — CFM/GPM Meter

774DCDA-OSY-CFM	0437704	2 1/2	S.S.	098268878035	1	155	7,717.00
774DCDA-OSY-CFM	0437712	3	S.S.	098268878103	1	230	9,387.00
774DCDA-OSY-CFM	0438004	4	S.S.	098268795394	1	344	10,186.00
774DCDA-OSY-CFM	0438012	6	S.S.	098268795530	1	535	12,185.00
774DCDA-OSY-CFM	0438028	8	S.S.	098268795448	1	754	22,020.00
774DCDA-OSY-CFM	0438044	10	S.S.	098268795592	1	1156	30,091.00
774DCDA-OSY-CFM	0438084	12	S.S.	098268877373	1	1520	40,571.00
774DCDA-OSY-GPM	0437705	2 1/2	S.S.	098268878042	1	155	7,717.00
774DCDA-OSY-GPM	0437713	3	S.S.	098268878110	1	230	9,387.00
774DCDA-OSY-GPM	0438005	4	S.S.	098268795363	1	344	10,186.00
774DCDA-OSY-GPM	0438013	6	S.S.	098268795578	1	535	12,185.00
774DCDA-OSY-GPM	0438029	8	S.S.	098268795462	1	754	22,020.00
774DCDA-OSY-GPM	0438045	10	S.S.	098268795646	1	1156	30,091.00
774DCDA-OSY-GPM	0438085	12	S.S.	098268877380	1	1520	40,571.00

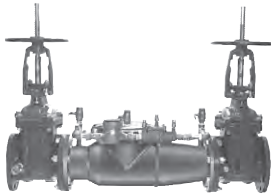
#### Less Shutoffs and Less Meter

774DCDA-LF-LM	0438130	2 1/2	S.S.	098268262247	1	68	5,683.00
774DCDA-LF-LM	0438131	3	S.S.	098268262254	1	70	7,017.00
774DCDA-LF-LM	0438132	4	S.S.	098268262261	1	65	7,494.00
774DCDA-LF-LM	0438133	6	S.S.	098268262278	1	105	8,868.00
774DCDA-LF-LM	0438134	8	S.S.	098268262285	1	190	16,608.00
774DCDA-LF-LM	0438135	10	S.S.	098268262292	1	275	21,403.00
774DCDA-LF-LM	0438136	12	S.S.	098268262308	1	225	28,514.00

#### With OSY Shutoffs and Less Meter

774DCDA-OSY-LM	0438137	2 1/2	S.S.	098268262315	1	155	7,587.00
774DCDA-OSY-LM	0438138	3	S.S.	098268262322	1	230	9,257.00
774DCDA-OSY-LM	0438139	4	S.S.	098268262339	1	350	10,059.00
774DCDA-OSY-LM	0438140	6	S.S.	098268262346	1	535	12,061.00
774DCDA-OSY-LM	0438141	8	S.S.	098268262353	1	765	21,893.00
774DCDA-OSY-LM	0438142	10	S.S.	098268262360	1	1156	29,962.00
774DCDA-OSY-LM	0438143	12	S.S.	098268262377	1	1520	40,436.00

Standard shutoffs are resilient seated outside stem and yoke (OSY), UL/FM listed



774DCDA-OSY





## Double Check Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 774DCDA

#### With OSY Resilient Seated Shutoff Valves (Grooved Inlet x Flanged Outlet) — CFM/GPM Meter

774DCDA-OSY-GxF-CFM	0439521	2 1/2	S.S.	098268264302	1	155	\$ 7,717.00
774DCDA-OSY-GxF-CFM	0439527	3	S.S.	098268264371	1	230	9,387.00
774DCDA-OSY-GxF-CFM	0439533	4	S.S.	098268264432	1	280	10,186.00
774DCDA-OSY-GxF-CFM	0439539	6	S.S.	098268264494	1	435	12,185.00
774DCDA-OSY-GxF-CFM	0439545	8	S.S.	098268264555	1	760	22,020.00
774DCDA-OSY-GxF-CFM	0439551	10	S.S.	098268264616	1	774	30,091.00
774DCDA-OSY-GxF-GPM	0439524	2 1/2	S.S.	098268264340	1	155	7,717.00
774DCDA-OSY-GxF-GPM	0439530	3	S.S.	098268264401	1	230	9,387.00
774DCDA-OSY-GxF-GPM	0439536	4	S.S.	098268264463	1	280	10,186.00
774DCDA-OSY-GxF-GPM	0439542	6	S.S.	098268264524	1	435	12,185.00
774DCDA-OSY-GxF-GPM	0439548	8	S.S.	098268264586	1	760	22,020.00
774DCDA-OSY-GxF-GPM	0439554	10	S.S.	098268264647	1	774	30,091.00

#### With OSY Resilient Seated Shutoff Valves (Flanged Inlet x Grooved Outlet) — CFM/GPM Meter

774DCDA-OSY-FxG-CFM	0439522	2 1/2	S.S.	098268264319	1	155	7,717.00
774DCDA-OSY-FxG-CFM	0439528	3	S.S.	098268264388	1	230	9,387.00
774DCDA-OSY-FxG-CFM	0439534	4	S.S.	098268264449	1	280	10,186.00
774DCDA-OSY-FxG-CFM	0439540	6	S.S.	098268264500	1	435	12,185.00
774DCDA-OSY-FxG-CFM	0439546	8	S.S.	098268264562	1	760	22,020.00
774DCDA-OSY-FxG-CFM	0439552	10	S.S.	098268264623	1	774	30,091.00
774DCDA-OSY-FxG-GPM	0439525	2 1/2	S.S.	098268264357	1	155	7,717.00
774DCDA-OSY-FxG-GPM	0439531	3	S.S.	098268264418	1	230	9,387.00
774DCDA-OSY-FxG-GPM	0439537	4	S.S.	098268264470	1	280	10,186.00
774DCDA-OSY-FxG-GPM	0439543	6	S.S.	098268264531	1	435	12,185.00
774DCDA-OSY-FxG-GPM	0439549	8	S.S.	098268264593	1	760	22,020.00
774DCDA-OSY-FxG-GPM	0439555	10	S.S.	098268264654	1	774	30,091.00

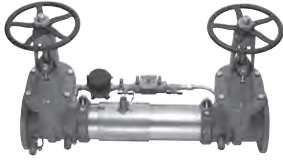
\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Double Check Detector Assemblies

4

Backflow Preventers &amp; Accessories



757DCDA OSY

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series 757DCDA

### With OSY Resilient Seated Shutoff Valves — CFM/GPM Meter

757DCDA-OSY-CFM	0111544	2 1/2	S.S.	098268120783	1	189	\$ 7,061.00	
757DCDA-OSY-CFM	0111545	3	S.S.	098268120790	1	210	7,522.00	
757DCDA-OSY-CFM	0111546	4	S.S.	098268120806	1	271	7,995.00	
757DCDA-OSY-CFM	0111547	6	S.S.	098268120813	1	438	10,376.00	
757DCDA-OSY-CFM	0111548	8	S.S.	098268120936	1	610	18,747.00	
757DCDA-OSY-CFM	0111549	10	S.S.	098268121193	1	936	22,079.00	
LEAD FREE*	LF757DCDA-OSY-CFM	0122709	2 1/2	S.S.	098268643619	1	189	7,594.00
LEAD FREE*	LF757DCDA-OSY-CFM	0122710	3	S.S.	098268643626	1	210	8,089.00
LEAD FREE*	LF757DCDA-OSY-CFM	0122711	4	S.S.	098268643985	1	271	8,590.00
LEAD FREE*	LF757DCDA-OSY-CFM	0122712	6	S.S.	098268643992	1	438	11,153.00
LEAD FREE*	LF757DCDA-OSY-CFM	0122713	8	S.S.	098268644005	1	610	20,151.00
LEAD FREE*	LF757DCDA-OSY-CFM	0124693	10	S.S.	098268840605	1	936	23,732.00
757DCDA-OSY-GPM	0111550	2 1/2	S.S.	098268121247	1	189	7,061.00	
757DCDA-OSY-GPM	0111551	3	S.S.	098268121254	1	210	7,522.00	
757DCDA-OSY-GPM	0111552	4	S.S.	098268121261	1	284	7,995.00	
757DCDA-OSY-GPM	0111553	6	S.S.	098268121278	1	415	10,376.00	
757DCDA-OSY-GPM	0111554	8	S.S.	098268121360	1	630	18,747.00	
757DCDA-OSY-GPM	0111555	10	S.S.	098268121377	1	936	22,079.00	
LEAD FREE*	LF757DCDA-OSY-GPM	0122714	2 1/2	S.S.	098268644012	1	189	7,594.00
LEAD FREE*	LF757DCDA-OSY-GPM	0122715	3	S.S.	098268644029	1	210	8,089.00
LEAD FREE*	LF757DCDA-OSY-GPM	0122716	4	S.S.	098268644050	1	284	8,590.00
LEAD FREE*	LF757DCDA-OSY-GPM	0122717	6	S.S.	098268644067	1	415	11,153.00
LEAD FREE*	LF757DCDA-OSY-GPM	0122718	8	S.S.	098268644081	1	630	20,151.00
LEAD FREE*	LF757DCDA-OSY-GPM	0124694	10	S.S.	098268840612	1	936	23,732.00

### N-Pattern with OSY Resilient Seated Shutoff Valves — CFM/GPM Meter

757N-DCDA-OSY-CFM	0111556	2 1/2	S.S.	098268121407	1	197	9,206.00	
757N-DCDA-OSY-CFM	0111557	3	S.S.	098268121414	1	222	9,689.00	
757N-DCDA-OSY-CFM	0111558	4	S.S.	098268121421	1	263	11,337.00	
757N-DCDA-OSY-CFM	0111559	6	S.S.	098268121438	1	460	15,743.00	
757N-DCDA-OSY-CFM	0111560	8	S.S.	098268121445	1	720	26,843.00	
757N-DCDA-OSY-CFM	0111561	10	S.S.	098268121452	1	1106	30,343.00	
LEAD FREE*	LF757NDCDA-OSY-CFM	0792284	2 1/2	S.S.	098268439151	1	197	11,185.00
LEAD FREE*	LF757NDCDA-OSY-CFM	0792285	3	S.S.	098268439168	1	222	11,767.00
LEAD FREE*	LF757NDCDA-OSY-CFM	0792286	4	S.S.	098268439175	1	263	13,769.00
LEAD FREE*	LF757NDCDA-OSY-CFM	0792287	6	S.S.	098268439182	1	460	19,126.00
LEAD FREE*	LF757NDCDA-OSY-CFM	0792288	8	S.S.	098268439199	1	490	28,858.00
LEAD FREE*	LF757NDCDA-OSY-CFM	0792289	10	S.S.	098268439205	1	1165	32,621.00
757N-DCDA-OSY-GPM	0111562	2 1/2	S.S.	098268121469	1	197	9,206.00	
757N-DCDA-OSY-GPM	0111563	3	S.S.	098268121490	1	222	9,689.00	
757N-DCDA-OSY-GPM	0111564	4	S.S.	098268121506	1	263	11,337.00	
757N-DCDA-OSY-GPM	0111565	6	S.S.	098268121513	1	460	15,743.00	
757N-DCDA-OSY-GPM	0111566	8	S.S.	098268121520	1	720	26,843.00	
757N-DCDA-OSY-GPM	0111567	10	S.S.	098268121568	1	1106	30,343.00	
LEAD FREE*	LF757NDCDA-DOSY-GPM	0792290	2 1/2	S.S.	098268439212	1	197	11,185.00
LEAD FREE*	LF757NDCDA-DOSY-GPM	0792291	3	S.S.	098268439229	1	222	11,767.00
LEAD FREE*	LF757NDCDA-DOSY-GPM	0792292	4	S.S.	098268439236	1	263	13,769.00
LEAD FREE*	LF757NDCDA-DOSY-GPM	0792293	6	S.S.	098268439243	1	460	19,126.00
LEAD FREE*	LF757NDCDA-DOSY-GPM	0792294	8	S.S.	098268439250	1	694	28,858.00
LEAD FREE*	LF757NDCDA-DOSY-GPM	0792295	10	S.S.	098268439267	1	720	32,621.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Double Check Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 757DCDA (cont.)

#### With UL/FM Butterfly Valves Shutoffs — CFM/GPM Meter



757DCDA BFG

	757DCDA-BFG-CFM	0111568	2 1/2	S.S.	098268121575	1	89	\$ 7,506.00
	757DCDA-BFG-CFM	0111569	3	S.S.	098268121582	1	55	7,966.00
	757DCDA-BFG-CFM	0111570	4	S.S.	098268121773	1	85	8,434.00
	757DCDA-BFG-CFM	0111571	6	S.S.	098268121780	1	248	10,832.00
	757DCDA-BFG-CFM	0111747	8	S.S.	098268125771	1	426	19,201.00
LEAD FREE*	LF757DCDA-BFG-CFM	0122729	2 1/2	S.S.	098268644364	1	225	6,061.00
	LF757DCDA-BFG-CFM	0122730	3	S.S.	098268644371	1	240	6,750.00
	LF757DCDA-BFG-CFM	0122731	4	S.S.	098268644388	1	265	8,857.00
	LF757DCDA-BFG-CFM	0122732	6	S.S.	098268644425	1	420	12,819.00
	LF757DCDA-BFG-CFM	0124719	8	S.S.	098268841244	1	426	20,642.00
	757DCDA-BFG-GPM	0111572	2 1/2	S.S.	098268121810	1	69	7,506.00
	757DCDA-BFG-GPM	0111573	3	S.S.	098268121827	1	68	7,966.00
	757DCDA-BFG-GPM	0111574	4	S.S.	098268121834	1	84	8,434.00
	757DCDA-BFG-GPM	0111575	6	S.S.	098268121841	1	141	10,832.00
	757DCDA-BFG-GPM	0111748	8	S.S.	098268125788	1	426	19,201.00
LEAD FREE*	LF757DCDA-BFG-GPM	0122734	2 1/2	S.S.	098268644814	1	924	6,061.00
	LF757DCDA-BFG-GPM	0122735	3	S.S.	098268644838	1	225	7,010.00
	LF757DCDA-BFG-GPM	0122736	4	S.S.	098268644845	1	225	7,783.00
	LF757DCDA-BFG-GPM	0122737	6	S.S.	098268644852	1	265	10,163.00
	LF757DCDA-BFG-GPM	0124720	8	S.S.	098268841251	1	426	20,642.00
<b>N-Pattern with UL/FM Butterfly Valves Shutoffs — CFM/GPM Meter</b>								
	757N-DCDA-BFG-CFM	0111576	2 1/2	S.S.	098268121858	1	129	9,671.00
	757N-DCDA-BFG-CFM	0111577	3	S.S.	098268121889	1	131	10,152.00
	757N-DCDA-BFG-CFM	0111578	4	S.S.	098268121919	1	163	11,800.00
	757N-DCDA-BFG-CFM	0111579	6	S.S.	098268121926	1	282	16,223.00
	757N-DCDA-BFG-CFM	0111749	8	S.S.	098268125917	1	501	27,324.00
	757N-DCDA-BFG-GPM	0111580	2 1/2	S.S.	098268121933	1	129	9,671.00
	757N-DCDA-BFG-GPM	0111581	3	S.S.	098268121940	1	131	10,152.00
	757N-DCDA-BFG-GPM	0111582	4	S.S.	098268121957	1	163	11,800.00
	757N-DCDA-BFG-GPM	0111583	6	S.S.	098268121964	1	282	16,223.00
	757N-DCDA-BFG-GPM	0111750	8	S.S.	098268125924	1	501	27,324.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Double Check Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 757DCDA (cont.)

#### With OSY Resilient Seated Shutoff Valves - Less Meter

757DCDA-OSY-LM	0111837	2 1/2	S.S.	098268260304	1	129	\$ 6,918.00
757DCDA-OSY-LM	0111838	3	S.S.	098268260311	1	131	7,379.00
757DCDA-OSY-LM	0111839	4	S.S.	098268260328	1	265	7,856.00
757DCDA-OSY-LM	0111840	6	S.S.	098268260335	1	420	10,236.00
757DCDA-OSY-LM	0111841	8	S.S.	098268260342	1	633	18,609.00
757DCDA-OSY-LM	0111842	10	S.S.	098268260359	1	924	21,937.00

#### N-Pattern with OSY Resilient Seated Shutoff Valves - Less Meter

757N-DCDA-OSY-LM	0111843	2 1/2	S.S.	098268260366	1	183	9,058.00
757N-DCDA-OSY-LM	0111844	3	S.S.	098268260472	1	206	9,543.00
757N-DCDA-OSY-LM	0111845	4	S.S.	098268260489	1	249	11,189.00
757N-DCDA-OSY-LM	0111846	6	S.S.	098268260496	1	556	15,601.00
757N-DCDA-OSY-LM	0111847	8	S.S.	098268260502	1	706	26,695.00
757N-DCDA-OSY-LM	0111848	10	S.S.	098268260519	1	924	30,193.00

#### With UL/FM Butterfly Valves Shutoffs - Less Meter

757DCDA-BFG-LM	0111849	2 1/2	S.S.	098268260526	1	89	7,366.00
757DCDA-BFG-LM	0111850	3	S.S.	098268260533	1	95	7,824.00
757DCDA-BFG-LM	0111851	4	S.S.	098268260540	1	103	8,297.00
757DCDA-BFG-LM	0111852	6	S.S.	098268260557	1	248	10,694.00
757DCDA-BFG-LM	0111853	8	S.S.	098268260564	1	426	19,057.00

#### N-Pattern with UL/FM Butterfly Valves Shutoffs - Less Meter

757N-DCDA-BFG-LM	0111854	2 1/2	S.S.	098268260571	1	129	9,525.00
757N-DCDA-BFG-LM	0111855	3	S.S.	098268260588	1	131	10,007.00
757N-DCDA-BFG-LM	0111856	4	S.S.	098268260595	1	103	11,653.00
757N-DCDA-BFG-LM	0111857	6	S.S.	098268260601	1	248	16,078.00
757N-DCDA-BFG-LM	0111858	8	S.S.	098268260618	1	426	27,176.00



Standard shutoffs are resilient seated outside stem and yoke (OSY), UL/FM listed

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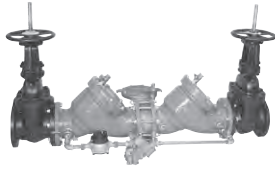
Backflow Preventers &amp; Accessories

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Double Check Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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909RPDA

### Series 909RPDA-FS

**Standard Shutoffs are Resilient Seated Outside Stem and Yoke (OSY), UL/FM Listed, with Integrated Flood Sensor**

909RPDA-OSY-CFM-FS 2 1/2	88009378	2 1/2	**Iron	098268295948	1	250	\$ 14,491.00
909RPDA-OSY-CFM-FS 3	88009384	3	**Iron	098268294972	1	250	16,477.00
909RPDA-OSY-CFM-FS 4	88009383	4	**Iron	098268294873	1	490	20,597.00
909RPDA-OSY-CFM-FS 6	88009339	6	**Iron	098268292299	1	951	29,933.00
909RPDA-OSY-CFM-FS 8	88009340	8	**Iron	098268292398	1	1656	50,046.00
909RPDA-OSY-GPM-FS 3	88009366	3	**Iron	098268294316	1	250	16,477.00
909RPDA-OSY-GPM-FS 4	88009334	4	**Iron	098268292237	1	597	20,597.00
909RPDA-OSY-GPM-FS 6	88009323	6	**Iron	098268292008	1	820	29,933.00
909RPDA-OSY-GPM-FS 8	88009321	8	**Iron	098268291971	1	1450	50,046.00
909RPDA-OSY-GPM-FS 10	88009365	10	**Iron	098268294309	1	2250	66,279.00

### Less Shutoffs with Integrated Flood Sensor

909RPDA-LF-CFM-FS 4	88009387	4	**Iron	098268294996	1	350	14,628.00
909RPDA-LF-GPM-FS 6	88009369	6	**Iron	098268294477	1	534	21,258.00
909RPDA-LF-GPM-FS 10	88009389	10	**Iron	098268295153	1	1445	47,077.00

**Shutoffs are Domestic Resilient Seated Outside Stem and Yoke (OSY), UL/FM Listed, with Integrated Flood Sensor**

909RPDA-DOSY-CFM-FS 3	88009364	3	**Iron	098268294293	1	250	17,633.00
909RPDA-DOSY-CFM-FS 4	88009362	4	**Iron	098268293463	1	490	20,597.00
909RPDA-DOSY-CFM-FS 6	88009375	6	**Iron	098268294613	1	820	29,933.00
909RPDA-DOSY-CFM-FS 8	88009341	8	**Iron	098268292404	1	1656	50,046.00
909RPDA-DOSY-CFM-FS 10	88009324	10	**Iron	098268292015	1	2250	66,279.00
909RPDA-DOSY-GPM-FS 4	88009382	4	**Iron	098268294866	1	490	22,037.00
909RPDA-DOSY-GPM-FS 6	88009377	6	**Iron	098268294620	1	820	29,933.00
909RPDA-DOSY-GPM-FS 8	88009361	8	**Iron	098268293302	1	1656	53,553.00
909RPDA-DOSY-GPM-FS 10	88009372	10	**Iron	098268294583	1	2250	66,279.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 994RPDA

#### Less Shutoffs

994RPDA-LF-CFM	0438246	2 1/2	S.S.	098268262421	1	76	\$ 7,156.00
994RPDA-LF-CFM	0438248	3	S.S.	098268262445	1	80	7,949.00
994RPDA-LF-CFM	0438054	4	S.S.	098268795974	1	75	9,094.00
994RPDA-LF-CFM	0438062	6	S.S.	098268795714	1	145	13,171.00
994RPDA-OSY-CFM	0438250	2 1/2	S.S.	098268262469	1	185	9,067.00
994RPDA-OSY-CFM	0438252	3	S.S.	098268262483	1	185	10,076.00
994RPDA-OSY-CFM	0438052	4	S.S.	098268795967	1	300	11,528.00
994RPDA-OSY-CFM	0438060	6	S.S.	098268795738	1	460	16,604.00
994RPDA-LF-GPM	0438247	2 1/2	S.S.	098268262438	1	76	7,156.00
994RPDA-LF-GPM	0438249	3	S.S.	098268262452	1	60	7,949.00
994RPDA-LF-GPM	0438055	4	S.S.	098268795943	1	95	9,094.00
994RPDA-LF-GPM	0438063	6	S.S.	098268795721	1	115	13,171.00
994RPDA-OSY-GPM	0438251	2 1/2	S.S.	098268262476	1	225	9,067.00
994RPDA-OSY-GPM	0438253	3	S.S.	098268262490	1	220	10,076.00
994RPDA-OSY-GPM	0438053	4	S.S.	098268795912	1	300	11,528.00
994RPDA-OSY-GPM	0438061	6	S.S.	098268795745	1	460	16,604.00

#### With OSY Resilient Seated Shutoff Valves (Grooved Inlet x Flanged Outlet)

994RPDA-OSY-GxF-CFM	0438619	2 1/2	S.S.	098268263732	1	170	9,067.00
994RPDA-OSY-GxF-CFM	0438625	3	S.S.	098268263794	1	205	10,076.00
994RPDA-OSY-GxF-CFM	0438631	4	S.S.	098268263954	1	270	11,528.00
994RPDA-OSY-GxF-CFM	0438637	6	S.S.	098268264050	1	405	16,604.00
994RPDA-OSY-GxF-GPM	0438622	2 1/2	S.S.	098268263763	1	170	9,067.00
994RPDA-OSY-GxF-GPM	0438628	3	S.S.	098268263824	1	205	10,076.00
994RPDA-OSY-GxF-GPM	0438634	4	S.S.	098268264029	1	270	11,528.00
994RPDA-OSY-GxF-GPM	0438640	6	S.S.	098268264081	1	405	16,604.00

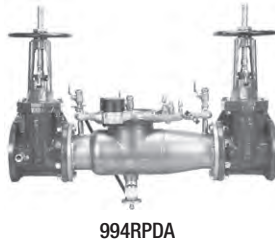
#### With OSY Resilient Seated Shutoff Valves (Flanged Inlet x Grooved Outlet)

994RPDA-OSY-FxG-CFM	0438620	2 1/2	S.S.	098268263749	1	170	9,067.00
994RPDA-OSY-FxG-CFM	0438626	3	S.S.	098268263800	1	205	10,076.00
994RPDA-OSY-FxG-CFM	0438632	4	S.S.	098268263961	1	270	11,528.00
994RPDA-OSY-FxG-CFM	0438638	6	S.S.	098268264067	1	405	16,604.00
994RPDA-OSY-FxG-GPM	0438623	2 1/2	S.S.	098268263770	1	170	9,067.00
994RPDA-OSY-FxG-GPM	0438629	3	S.S.	098268263831	1	205	10,076.00
994RPDA-OSY-FxG-GPM	0438635	4	S.S.	098268264036	1	270	11,528.00
994RPDA-OSY-FxG-GPM	0438641	6	S.S.	098268264098	1	405	16,604.00

\*\*FDA fused epoxy coated cast iron body.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



994RPDA

## Reduced Pressure Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 957RPDA

#### With OSY Resilient Seated Shutoff Valves

957RPDA-OSY-CFM	0111620	2 1/2	S.S.	098268123593	1	192	\$ 5,852.00
957RPDA-OSY-CFM	0111621	3	S.S.	098268123609	1	213	6,496.00
957RPDA-OSY-CFM	0111622	4	S.S.	098268123616	1	278	8,487.00
957RPDA-OSY-CFM	0111623	6	S.S.	098268123623	1	448	12,220.00
957RPDA-OSY-CFM	0111624	8	S.S.	098268123777	1	647	20,134.00
957RPDA-OSY-CFM	0111625	10	S.S.	098268123814	1	997	23,532.00
LF957RPDA-OSY-CFM	0122719	2 1/2	S.S.	098268644098	1	192	6,203.00
LF957RPDA-OSY-CFM	0122720	3	S.S.	098268644104	1	213	6,885.00
LF957RPDA-OSY-CFM	0122721	4	S.S.	098268644111	1	278	8,995.00
LF957RPDA-OSY-CFM	0122722	6	S.S.	098268644210	1	448	12,957.00
LF957RPDA-OSY-CFM	0122723	8	S.S.	098268644227	1	647	21,338.00
LF957RPDA-OSY-CFM	0124736	10	S.S.	098268841718	1	997	24,947.00
957RPDA-OSY-GPM	0111626	2 1/2	S.S.	098268123913	1	192	5,852.00
957RPDA-OSY-GPM	0111627	3	S.S.	098268124170	1	213	6,496.00
957RPDA-OSY-GPM	0111628	4	S.S.	098268124187	1	243	8,487.00
957RPDA-OSY-GPM	0111629	6	S.S.	098268124194	1	423	12,220.00
957RPDA-OSY-GPM	0111630	8	S.S.	098268124217	1	644	20,134.00
957RPDA-OSY-GPM	0111631	10	S.S.	098268124293	1	997	23,532.00
LF957RPDA-OSY-GPM	0122724	2 1/2	S.S.	098268644234	1	192	6,203.00
LF957RPDA-OSY-GPM	0122725	3	S.S.	098268644241	1	213	6,885.00
LF957RPDA-OSY-GPM	0122726	4	S.S.	098268644258	1	243	8,995.00
LF957RPDA-OSY-GPM	0122727	6	S.S.	098268644265	1	423	12,957.00
LF957RPDA-OSY-GPM	0122728	8	S.S.	098268644326	1	644	21,338.00
LF957RPDA-OSY-GPM	0124737	10	S.S.	098268841725	1	997	24,947.00

#### N-Pattern with OSY Resilient Seated Shutoff Valves

957N-RPDA-OSY-CFM	0111632	2 1/2	S.S.	098268124309	1	200	7,764.00
957N-RPDA-OSY-CFM	0111633	3	S.S.	098268124316	1	225	8,440.00
957N-RPDA-OSY-CFM	0111634	4	S.S.	098268124323	1	266	11,625.00
957N-RPDA-OSY-CFM	0111635	6	S.S.	098268124385	1	463	17,335.00
957N-RPDA-OSY-CFM	0111636	8	S.S.	098268124392	1	523	25,247.00
957N-RPDA-OSY-CFM	0111637	10	S.S.	098268124408	1	1164	29,927.00
LF957N-RPDA-OSY-CFM	0792391	2 1/2	S.S.	098268440256	1	200	9,297.00
LF957N-RPDA-OSY-CFM	0124738	3	S.S.	098268841992	1	225	8,949.00
LF957N-RPDA-OSY-CFM	0124739	4	S.S.	098268842005	1	266	12,324.00
LF957N-RPDA-OSY-CFM	0124740	6	S.S.	098268842012	1	463	18,377.00
957N-RPDA-OSY-GPM	0111638	2 1/2	S.S.	098268124415	1	200	7,764.00
957N-RPDA-OSY-GPM	0111639	3	S.S.	098268124422	1	225	8,440.00
957N-RPDA-OSY-GPM	0111640	4	S.S.	098268124439	1	266	11,625.00
957N-RPDA-OSY-GPM	0111641	6	S.S.	098268124446	1	463	17,335.00
957N-RPDA-OSY-GPM	0111642	8	S.S.	098268124453	1	523	25,247.00
957N-RPDA-OSY-GPM	0111643	10	S.S.	098268124484	1	1164	29,927.00
LF957N-RPDA-OSY-GPM	0124743	2 1/2	S.S.	098268842043	1	200	8,227.00
LF957N-RPDA-OSY-GPM	0124744	3	S.S.	098268842067	1	225	8,949.00
LF957N-RPDA-OSY-GPM	0124745	4	S.S.	098268842074	1	266	12,324.00
LF957N-RPDA-OSY-GPM	0124746	6	S.S.	098268842081	1	463	18,377.00

Standard shutoffs are resilient seated outside stem and yoke (OSY), UL/FM listed

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 957RPDA (cont.)

#### Z-Pattern with OSY Resilient Seated Shutoff Valves

957Z-RPDA-OSY-CFM	0111644	2 1/2	S.S.	098268124491	1	150	\$ 7,764.00
957Z-RPDA-OSY-CFM	0111645	3	S.S.	098268124507	1	175	8,440.00
957Z-RPDA-OSY-CFM	0111646	4	S.S.	098268124514	1	201	11,625.00
957Z-RPDA-OSY-CFM	0111647	6	S.S.	098268124521	1	353	17,335.00
957Z-RPDA-OSY-CFM	0111648	8	S.S.	098268124552	1	572	25,247.00
957Z-RPDA-OSY-CFM	0111649	10	S.S.	098268124569	1	964	29,927.00
<b>LEAD FREE*</b> LF957Z-RPDA-OSY-CFM	0792415	2 1/2	S.S.	098268440492	1	200	9,297.00
<b>LEAD FREE*</b> LF957Z-RPDA-OSY-CFM	0792416	3	S.S.	098268440508	1	225	10,107.00
<b>LEAD FREE*</b> LF957Z-RPDA-OSY-CFM	0792417	4	S.S.	098268440515	1	266	13,924.00
<b>LEAD FREE*</b> LF957Z-RPDA-OSY-CFM	0792418	6	S.S.	098268440522	1	463	20,763.00
957Z-RPDA-OSY-GPM	0111650	2 1/2	S.S.	098268124576	1	150	7,764.00
957Z-RPDA-OSY-GPM	0111651	3	S.S.	098268124583	1	175	8,440.00
957Z-RPDA-OSY-GPM	0111652	4	S.S.	098268124590	1	201	11,625.00
957Z-RPDA-OSY-GPM	0111653	6	S.S.	098268124606	1	353	17,335.00
957Z-RPDA-OSY-GPM	0111654	8	S.S.	098268124613	1	572	25,247.00
957Z-RPDA-OSY-GPM	0111655	10	S.S.	098268124620	1	964	29,927.00
<b>LEAD FREE*</b> LF957Z-RPDA-OSY-GPM	0124751	2 1/2	S.S.	098268842142	1	200	8,227.00
<b>LEAD FREE*</b> LF957Z-RPDA-OSY-GPM	0124752	3	S.S.	098268842159	1	225	8,949.00
<b>LEAD FREE*</b> LF957Z-RPDA-OSY-GPM	0124753	4	S.S.	098268842166	1	266	12,324.00
<b>LEAD FREE*</b> LF957Z-RPDA-OSY-GPM	0124754	6	S.S.	098268842500	1	463	18,377.00

#### N-Pattern with UL/FM Butterfly Valve Shutoffs

957N-RPDA-BFG-CFM	0111656	2 1/2	S.S.	098268124637	1	132	8,199.00
957N-RPDA-BFG-CFM	0111657	3	S.S.	098268124644	1	134	8,877.00
957N-RPDA-BFG-CFM	0111658	4	S.S.	098268124651	1	166	12,059.00
957N-RPDA-BFG-CFM	0111659	6	S.S.	098268124668	1	285	17,782.00
<b>LEAD FREE*</b> LF957N-RPDA-BFG-CFM	0124755	4	S.S.	098268842678	1	166	12,784.00
<b>LEAD FREE*</b> LF957N-RPDA-BFG-CFM	0124756	6	S.S.	098268842685	1	285	18,848.00
957N-RPDA-BFG-GPM	0111662	2 1/2	S.S.	098268124699	1	132	8,199.00
957N-RPDA-BFG-GPM	0111663	3	S.S.	098268124705	1	134	8,877.00
957N-RPDA-BFG-GPM	0111664	4	S.S.	098268124712	1	166	12,059.00
957N-RPDA-BFG-GPM	0111665	6	S.S.	098268124729	1	285	17,782.00
<b>LEAD FREE*</b> LF957N-RPDA-BFG-GPM	0124759	4	S.S.	098268842715	1	166	12,784.00
<b>LEAD FREE*</b> LF957N-RPDA-BFG-GPM	0124760	6	S.S.	098268843347	1	285	18,848.00



957N RPDA OSY

Standard shutoffs are resilient seated outside stem and yoke (OSY), UL/FM listed

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.





## Reduced Pressure Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 957RPDA (cont.)

#### Z-Pattern with UL/FM Butterfly Valve Shutoffs

	957Z-RPDA-BFG-CFM	0111800	2 1/2	S.S.	098268126402	1	129	\$ 8,199.00
	957Z-RPDA-BFG-CFM	0111801	3	S.S.	098268126419	1	131	8,877.00
	957Z-RPDA-BFG-CFM	0111802	4	S.S.	098268126426	1	157	12,059.00
	957Z-RPDA-BFG-CFM	0111803	6	S.S.	098268126433	1	248	17,782.00
LEAD FREE*	LF957Z-RPDA-BFG-CFM	0124761	2 1/2	S.S.	098268843354	1	129	8,688.00
	LF957Z-RPDA-BFG-CFM	0124762	3	S.S.	098268843361	1	131	9,409.00
	LF957Z-RPDA-BFG-CFM	0124763	4	S.S.	098268843392	1	157	12,784.00
	957Z-RPDA-BFG-GPM	0111806	2 1/2	S.S.	098268126464	1	129	8,199.00
	957Z-RPDA-BFG-GPM	0111807	3	S.S.	098268126471	1	131	8,877.00
	957Z-RPDA-BFG-GPM	0111808	4	S.S.	098268126488	1	103	12,059.00
	957Z-RPDA-BFG-GPM	0111809	6	S.S.	098268126495	1	248	17,782.00
LEAD FREE*	LF957Z-RPDA-BFG-GPM	0124764	2 1/2	S.S.	098268843488	1	129	8,688.00
	LF957Z-RPDA-BFG-GPM	0124765	3	S.S.	098268843415	1	131	9,409.00
	LF957Z-RPDA-BFG-GPM	0124766	4	S.S.	098268843422	1	103	12,784.00
	LF957Z-RPDA-BFG-GPM	0124767	6	S.S.	098268843439	1	248	18,848.00

#### With OSY Resilient Seated Shutoff Valves - Less Meter

	957RPDA-OSY-LM	0111875	2 1/2	S.S.	098268260830	1	225	5,718.00
	957RPDA-OSY-LM	0111876	3	S.S.	098268260847	1	240	6,368.00
	957RPDA-OSY-LM	0111877	4	S.S.	098268260854	1	265	8,354.00
	957RPDA-OSY-LM	0111878	6	S.S.	098268260861	1	420	12,093.00
	957RPDA-OSY-LM	0111879	8	S.S.	098268260878	1	633	20,001.00
	957RPDA-OSY-LM	0111880	10	S.S.	098268260885	1	924	23,402.00
LEAD FREE*	LF957-RPDA-OSY-LM	0124836	2 1/2	S.S.	098268002010	1	225	6,321.00
	LF957-RPDA-OSY-LM	0124837	3	S.S.	098268002034	1	240	6,750.00
	LF957-RPDA-OSY-LM	0124838	4	S.S.	098268002041	1	265	8,857.00
	LF957-RPDA-OSY-LM	0124839	6	S.S.	098268002058	1	420	12,819.00
	LF957-RPDA-OSY-LM	0124840	8	S.S.	098268002065	1	633	21,204.00
	LF957-RPDA-OSY-LM	0124841	10	S.S.	098268002072	1	924	24,811.00

Standard shutoffs are resilient seated outside stem and yoke (OSY), UL/FM listed

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Detector Assemblies

Model	Ordering Code	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series 957RPDA (cont.)

#### N-Pattern with OSY Resilient Seated Shutoff Valves - Less Meter

957N-RPDA-OSY-LM	0111881	2 1/2	S.S.	098268260892	1	183	\$ 7,622.00
957N-RPDA-OSY-LM	0111882	3	S.S.	098268260908	1	206	8,301.00
957N-RPDA-OSY-LM	0111883	4	S.S.	098268260915	1	249	11,487.00
957N-RPDA-OSY-LM	0111884	6	S.S.	098268260922	1	556	17,199.00
957N-RPDA-OSY-LM	0111885	8	S.S.	098268260939	1	706	25,111.00
957N-RPDA-OSY-LM	0111886	10	S.S.	098268260946	1	924	29,791.00

#### Z-Pattern with OSY Resilient Seated Shutoff Valves - Less Meter

957Z-RPDA-OSY-LM	0111887	2 1/2	S.S.	098268260953	1	183	7,622.00
957Z-RPDA-OSY-LM	0111888	3	S.S.	098268260960	1	206	8,301.00
957Z-RPDA-OSY-LM	0111889	4	S.S.	098268260977	1	249	11,487.00
957Z-RPDA-OSY-LM	0111890	6	S.S.	098268361599	1	556	17,199.00
957Z-RPDA-OSY-LM	0111891	8	S.S.	098268260984	1	706	25,111.00
957Z-RPDA-OSY-LM	0111892	10	S.S.	098268260991	1	924	29,791.00

#### N-Pattern with UL/FM Butterfly Valves Shutoffs - Less Meter

957N-RPDA-BFG-LM	0111893	2 1/2	S.S.	098268261011	1	129	8,062.00
957N-RPDA-BFG-LM	0111894	3	S.S.	098268261028	1	131	8,739.00
957N-RPDA-BFG-LM	0111895	4	S.S.	098268261035	1	103	11,923.00
957N-RPDA-BFG-LM	0111896	6	S.S.	098268261059	1	248	17,644.00

#### Z-Pattern with UL/FM Butterfly Valves Shutoffs - Less Meter

957Z-RPDA-BFG-LM	0111899	2 1/2	S.S.	098268261103	1	129	8,062.00
957Z-RPDA-BFG-LM	0111900	3	S.S.	098268261127	1	131	8,739.00
957Z-RPDA-BFG-LM	0111901	4	S.S.	098268261134	1	103	11,923.00
957Z-RPDA-BFG-LM	0111902	6	S.S.	098268261141	1	248	17,644.00



957N RPDA OSY

Standard shutoffs are resilient seated outside stem and yoke (OSY), UL/FM listed

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Reduced Pressure Detector Assemblies



TK-99D with Optional Carrying Case



TK-99D



AG Series

Model	Ordering Code	Type	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Test Kits and Accessories

TK-9A	0385496	Analog	098268022049	1	8.7	\$ 3,109.00
TK-99E	0385511	Analog	098268399806	1	7.9	6,679.00
TK-7	0061792	Sight Glass	098268003437	1	2.6	1,215.00
TK-99D Case	0385508	Optional Carrying Case Only	098268920444	1	3.7	1,111.00

### Air Gaps

909-AGA	0881399	1/4 – 1/2" 009, 1/2 – 1" 995, 3/4" 009M2/M3	098268235319	24	22	148.00
909-AGC	0881376	3/4", 1" 009/909, 1 – 1 1/2" 009M2, 1/2" -2" 995	098268104950	6	10	169.50
909-AGF	0881378	1 1/4 – 2" 009M1, 2" 009M2, 1 1/4 – 3" 009/909, 4 – 6" 993	098268104967	6	24	331.00
909-AGK •	0881385	4 – 6" 909, 8 – 10" 909M1	098268104998	1	8.7	648.50
909-AGM •	0881387	8 – 10" 909	098268105018	1	12	648.50
919AGC	0881576	3/4 – 1" 919	098268213560	24	18	182.50
919AGF	0881577	1 1/4 – 2" 919	098268213577	6	26	331.00
957-AG	0111764	2 1/2 – 10" 957	098268126112	1	2.0	427.50
957-AG Splash Guard	0111815	2 1/2 – 10" 957	098268126525	1	5.0	142.50
994-AGKP	0881397	2 1/2 – 10" 994	098268265132	1	2.1	471.00
995-AG	0439190	3 – 6" 995	098268920529	1	1.3	394.00

•Vertical

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Accessories

4

Backflow Preventers &amp; Accessories



909EL

LFSAE-TC  
with RK-SAE-TC

Adapter

Model	Ordering Code	Type	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Elbows

909-ELA	0881370	1/4 – 1/2" 009, 3/4 009M2/M3	098268310764	25	16	\$ 105.00
909-ELC	0881380	3/4 – 1" 009/909, 1 – 1 1/2" 009M2	098268104974	25	21	114.00
909-ELF •	0881382	1 1/4 – 2" 009M1, 1 1/4 – 2" 009/909, 2" 009M2, 4 – 6" 993	098268104981	6	16	218.50
909-ELH •	0881384	2 1/2 – 3" 009/909	098268276336	6	18	655.50
919-ELC	0881578	3/4 – 1" 919	098268336047	25	16	108.00
919-ELF	0881579	1 1/4 – 2" 919	098268335378	6	13	218.50
994-ELF	0881396	2 1/2 – 10" 994	098268796278	1	12	1,275.00

•Vertical

### Test Cocks – All Bronze

		Size				
RK-SAE-TC Brass Cap & Tether	0888845	1/8 SAE	098268914764	100	5.0	45.25
SAE-TC Brass Cap Only	0006902	1/8 SAE	098268133219	1000	42	8.50
SAE-TC Plastic Cap Only	0888847	1/8 SAE	098268288346	100	0.1	8.25
RK-TC-P Plastic Cap & Tether	0888846	1/8, 1/4 NPT	098268047165	3000	15	3.75
LFNPT-TC	0792001	1/8 NPT	098268433715	50	7.5	80.25
LFTC	0792000	1/4 NPT	098268433708	50	9.5	105.00
LFSAE-TC	0792002	1/8 SAE	098268433722	50	10	102.00

### Adapter

SAE-TC Adapter	0006903	1/4	098268059977	1	1	95.50
SAE-TC Brass Cap	0006902	–	098268133219	1000	42	8.50

### Test Cocks

#### For Use With 757/957 Silvereagle®

LFTC 757/957 21/2-4	0792520	2 1/2 – 4" 757/957	098268500646	1	1	197.00
LFTC 757/957 6-10	0792521	6 – 10" 757/957	098268500653	1	1	204.00
LFRK-TC3 757/957 21/2-4	0792522	2 1/2 – 4" 757/957	098268500660	1	1	233.00
LFRK-TC3 757/957 6-10	0792523	6 – 10" 757/957	098268500677	1	1	233.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Accessories

Model	Ordering Code	Type	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Transition Risers

For Connection of the Main Fire Supply to the Building Overhead Fire System

Model	Ordering Code	Type	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
TR GRVxCIPS	0777500	4	098268264838	7	497	\$ 3,269.00
TR GRVxCIPS	0777501	6	098268264845	5	600	4,311.00
TR GRVxCIPS	0777502	8	098268264852	2	920	6,703.00
TR GRVxCIPS	0777503	10	098268264876	1	202	11,766.00
TR FLGxCIPS	0777504	4	098268264883	6	641	3,497.00
TR FLGxCIPS	0777505	6	098268264890	5	750	4,618.00
TR FLGxCIPS	0777506	8	098268264906	2	477	7,170.00
TR FLGxCIPS	0777507	10	098268264913	1	395	12,586.00



TR

LEAD FREE\*

### Series TR2 Small Diameter Transition Risers

Model	Ordering Code	Type	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
SS 2 TR TxT 4x4	88006375	2", 4'x4'	098268079111	13	534.3	811.00
SS 2 TR GxT 4x4	88006376	2", 4'x4'	098268079173	13	534.3	811.00
SS 2 TR GxG 4x4	88006377	2", 4'x4'	098268079180	13	534.3	811.00
SS 2 TR TxT 4x6	88006378	2", 4'x6'	098268079197	13	613.6	884.00
SS 2 TR GxT 4x6	88006379	2", 4'x6'	098268079203	13	613.6	884.00
SS 2 TR GxG 4x6	88006380	2", 4'x6'	098268079234	13	613.6	884.00
SS 2 TR TxT 6x6	88006381	2", 6'x6'	098268079258	13	694.2	944.50
SS 2 TR GxT 6x6	88006382	2", 6'x6'	098268079265	13	694.2	944.50
SS 2 TR GxG 6x6	88006383	2", 6'x6'	098268079272	13	694.2	944.50
SS 2.5 TR TxT 4x4	88006680	2 1/2", 4'x4'	098268155471	11	705.1	1,123.00
SS 2.5 TR GxT 4x4	88006681	2 1/2", 4'x4'	098268155549	11	705.1	1,123.00
SS 2.5 TR GxG 4x4	88006682	2 1/2", 4'x4'	098268155556	11	705.1	1,123.00
SS 2.5 TR TxT 4x6	88006683	2 1/2", 4'x6'	098268155563	11	792	1,291.00
SS 2.5 TR GxT 4x6	88006684	2 1/2", 4'x6'	098268155570	11	792	1,291.00
SS 2.5 TR GxG 4x6	88006685	2 1/2", 4'x6'	098268155587	11	792	1,291.00
SS 2.5 TR TxT 6x6	88006686	2 1/2", 6'x6'	098268155600	11	919.6	1,381.00
SS 2.5 TR GxT 6x6	88006687	2 1/2", 6'x6'	098268155631	11	919.6	1,381.00
SS 2.5 TR GxG 6x6	88006688	2 1/2", 6'x6'	098268155662	11	919.6	1,381.00
SS 3 TR TxT 4x4	88006698	3", 4'x4'	098268155679	9	693	1,202.00
SS 3 TR GxT 4x4	88006699	3", 4'x4'	098268155686	9	693	1,202.00
SS 3 TR GxG 4x4	88006700	3", 4'x4'	098268155693	9	693	1,202.00
SS 3 TR TxT 4x6	88006701	3", 4'x6'	098268155709	9	830.7	1,415.00
SS 3 TR GxT 4x6	88006702	3", 4'x6'	098268155808	9	830.7	1,415.00
SS 3 TR GxG 4x6	88006703	3", 4'x6'	098268155884	9	830.7	1,415.00
SS 3 TR TxT 6x6	88006704	3", 6'x6'	098268155914	9	963	1,535.00
SS 3 TR GxT 6x6	88006705	3", 6'x6'	098268155990	9	963	1,535.00
SS 3 TR GxG 6x6	88006706	3", 6'x6'	098268156010	9	963	1,535.00



TR2

LEAD FREE\*

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Accessories

4

Backflow Preventers &amp; Accessories

Model	Ordering Code	Type	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Valve Setters

#### Flange x Flange

WWS-C FxF	0107210	3	098268381238	1	134	\$ 1,170.00
WWS-C FxF	0107211	4	098268381245	1	161	1,449.00
WWS-C FxF	0107213	8	098268381269	1	379	2,819.00

#### Flange x Mechanical Joint

WWS-C FxMJ	0107215	3	098268381283	1	130	1,170.00
WWS-C FxMJ	0107216	4	098268381290	1	157	1,449.00
WWS-C FxMJ	0107217	6	098268381306	1	282	1,984.00
WWS-C FxMJ	0107218	8	098268381313	1	367	2,819.00
WWS-C FxMJ	0107219	10	098268381320	1	469	3,887.00
WWS-C M.JxMJ	0107220	3	098268381337	1	130	1,269.00
WWS-C M.JxMJ	0107221	4	098268381344	1	157	1,689.00
WWS-C M.JxMJ	0107222	6	098268381351	1	282	1,916.00
WWS-C M.JxMJ	0107223	8	098268381368	1	367	3,141.00
WWS-C M.JxMJ	0107224	10	098268381375	1	469	4,366.00

#### Flange x Flange (RP-BFG)

WWS-C FxF RP BFG	0107231	3	098268381443	1	134	1,170.00
WWS-C FxF RP BFG	0107225	4	098268381382	1	161	1,449.00
WWS-C FxF RP BFG	0107226	6	098268381399	1	274	2,186.00

#### Flange x Mechanical Joint (RP-BFG)

WWS-C FxMJ RP BFG	0107232	3	098268381450	1	130	1,170.00
WWS-C FxMJ RP BFG	0107227	4	098268381405	1	157	1,448.00
WWS-C FxMJ RP BFG	0107228	6	098268381412	1	282	2,184.00

#### Mechanical Joint x Mechanical Joint (RP-BFG)

WWS-C M.JxMJ RP BFG	0107233	3	098268381467	1	130	1,267.00
WWS-C M.JxMJ RP BFG	0107229	4	098268381429	1	157	1,686.00
WWS-C M.JxMJ RP BFG	0107230	6	098268381436	1	282	2,319.00



W-SPL

### Spools and Flanges - For Retrofitting Backflow Preventers

Spools available in sizes:

LEAD FREE	W-SPL	2 1/2 x 1 7/8 - 10 x 1/2	-	N/A
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Flanges available in sizes:

LEAD FREE	W-FLG	2 x 1/4 - 10 x 1/2	-	N/A
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Contact your local Watts Representative for ordering information and pricing.



Valve Stand

### Valve Stand

RK-EZ-STD	0777237	098268357868	1	43	514.00
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\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Wattsbox Enclosures



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Wattsbox Enclosures

### Fiberglass

WB-75	0888600	19 x 11 x 22	098268733310	1	30	\$ 1,926.00
WB-1	0888601	27 x 13 x 23	098268733327	1	35	2,451.00
WB-1.5	0888603	33 x 21 x 25	098268733341	1	50	3,152.00
WB-2	0888604	39 x 13 x 28	098268733358	1	50	3,227.00
WB-N3	0888789	70 x 26 x 45	098268823646	1	210	13,039.00
WB-E3	0888790	70 x 26 x 55	098268823653	1	285	17,586.00
WB 3000	0889334	45 x 35 x 35	098268940237	1	244	11,121.00
WB 4000	0889335	53 x 44 x 44	098268940244	1	300	15,224.00

### Fiberglass - Less Heat

WB-75-LH	0889330	19 x 11 x 22	098268832112	1	30	1,660.00
WB-1-LH	0889331	27 x 13 x 23	098268832105	1	35	2,126.00
WB-1.5-LH	0889332	33 x 21 x 25	098268832099	1	50	2,861.00
WB-2-LH	0889333	39 x 13 x 28	098268832129	1	50	2,991.00
WB-N3-LH	0889300	70 x 26 x 45	098268823974	1	210	11,060.00
WB-E3-LH	0889301	70 x 26 x 55	098268823981	1	285	14,399.00

### Fiberglass, Strainer Models

WB-2S	0888800	47 x 13 x 28	098268823752	1	85	4,001.00
WB-N3S	0888801	83 x 26 x 45	098268823769	1	275	18,439.00

### Fiberglass, Strainer Models - Less Heat

WB-2S-LH	0889311	47 x 13 x 28	098268824094	1	85	3,639.00
WB-N3S-LH	0889312	83 x 26 x 45	098268824100	1	275	16,345.00
WB-E3S-LH	0889313	83 x 26 x 55	098268824117	1	295	18,680.00

### Aluminum

WB-N4	0888793	90 x 32 x 50 1/2	098268823684	1	407	16,438.00
WB-E4	0888857	90 x 32 x 57 1/2	098268830101	1	375	18,264.00
WB-N6	0888794	106 x 36 x 53	098268823691	1	491	20,547.00
WB-E6	0888795	105 x 36 x 64	098268823707	1	500	24,742.00
WB-N8	0888796	118 x 40 x 58	098268823714	1	540	26,113.00
WB-E8	0888797	118 x 40 x 74	098268823721	1	575	29,765.00
WB-N10	0888798	142 x 42 x 65	098268823738	1	650	31,592.00
WB-E10	0888799	142 x 42 x 85	098268823745	1	700	36,520.00
WB 4000AN	0889336	53 x 33 x 44	098268940251	1	275	13,107.00
WB 4000AE	0889337	53 x 44 x 44	098268940268	1	300	14,247.00
WB 6000AN	0889338	62 x 39 x 46	098268940275	1	325	15,344.00
WB 6000AE	0889339	62 x 53 x 46	098268940282	1	401	17,625.00

### Aluminum - Less Heat

WB-N4-LH	0889304	90 x 32 x 50 1/2	098268824025	1	325	14,164.00
WB-N6-LH	0889305	106 x 36 x 53	098268824032	1	500	18,266.00
WB-E6-LH	0889306	105 x 36 x 64	098268824049	1	540	20,552.00
WB-N8-LH	0889307	118 x 40 x 58	098268824056	1	550	21,920.00
WB-E8-LH	0889308	118 x 40 x 74	098268824063	1	625	25,572.00
WB-N10-LH	0889309	142 x 42 x 65	098268824070	1	650	27,400.00
WB-E10-LH	0889310	142 x 42 x 85	098268824087	1	800	31,967.00

### Aluminum Stucco

WB 2000A	0889350	39 x 24 x 32	098268214833	1	160	5,516.00
WB 2.5	0889352	60 x 22 x 30	098268214864	1	200	7,086.00
WB 2.75	0889354	60 x 22 x 42	098268214888	1	260	8,517.00
WB 6 ET	0889356	105 x 36 x 80	098268214901	1	790	27,939.00
WB 8000ANT	0889358	73 x 45 x 60	098268214925	1	530	22,191.00
WB 8000AET	0889360	73 x 67 x 60	098268214970	1	530	24,655.00

See literature ES-WB for sizing information

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Wattsbox Enclosures

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Wattsbox Enclosures (cont.)

#### Aluminum Stucco - Less Heat

WB 2000A LH	0889351		098268214857	1	151	\$ 5,120.00
WB 2.5 LH	0889353		098268214871	1	191	6,289.00
WB 2.75 LH	0889355		098268214895	1	251	7,722.00
WB 6 ET LH	0889357		098268214918	1	781	23,750.00
WB 8000ANT LH	0889359		098268214963	1	521	19,911.00
WB 8000AET LH	0889361		098268214994	1	521	22,377.00

#### Aluminum, Strainer Models

WB-N4S	0888803	4 NRS	098268823783	1	375	18,264.00
WB-E4S	0888804	4 OSY	098268823790	1	400	20,038.00
WB-N6S	0888805	6 NRS	098268823806	1	540	24,289.00
WB-E6S	0888806	6 OSY	098268823813	1	575	27,024.00
WB-N8S	0888807	8 NRS	098268823820	1	550	30,679.00
WB-E8S	0888808	8 OSY	098268823943	1	650	34,239.00
WB-N10S	0888809	10 NRS	098268823950	1	800	36,520.00
WB-E10S	0888810	10 OSY	098268823967	1	745	42,727.00

#### Aluminum, Strainer Models - Less Heat

WB-N4S-LH	0889314	4 NRS	098268824124	1	375	15,988.00
WB-E4S-LH	0889315	4 OSY	098268824131	1	400	17,761.00
WB-N6S-LH	0889316	6 NRS	098268824148	1	540	20,097.00
WB-E6S-LH	0889317	6 OSY	098268824155	1	575	22,833.00
WB-N8S-LH	0889318	8 NRS	098268824162	1	625	26,485.00
WB-E8S-LH	0889319	8 OSY	098268824179	1	650	29,682.00
WB-N10S-LH	0889320	10 NRS	098268824186	1	800	31,967.00
WB-E10S-LH	0889321	10 OSY	098268824193	1	850	38,173.00

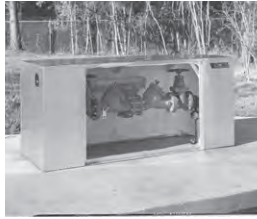
#### For Pressure Vacuum Breakers

WB-PVB1	0888664	3/4 - 1	098268733952	1	18	1,453.00
WB-PVB-T1	0888665	3/4 - 1	098268733969	1	21	1,706.00
WB-PVB2	0888666	1 1/4 - 2	098268733976	1	39	1,701.00
WB-PVB-T2	0888667	1 1/4 - 2	098268733983	1	120	2,088.00

#### For Pressure Vacuum Breakers - Less Heat

WB-PVB2-LH	0888716	1 1/4 - 2	098268744149	1	30	1,462.00
WB-PVBT1-LH	0888675	3/4 - 1	098268244335	1	21	1,441.00
WB-PVBT2-LH	0888676	1 1/4 - 2	098268244342	1	120	1,870.00

See literature ES-WB for sizing information







## Watts Rock & Pre-Engineered Valve Stations

Model	Ordering Code	Dimensions L x W x H	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Watts Rock

#### Shell Only

WPLRN-1 Brown	0888985	28 x 12 x 23	098268133189	1	25	\$ 2,110.00
WPLRN-2 Brown	0888991	45 x 14 x 28	098268185911	1	50	2,669.00
WPLRN-2 Grey	0888992	45 x 14 x 28	098268185928	1	35	2,669.00

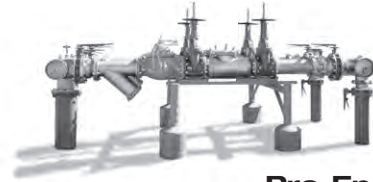
#### With Insulation - Less Heat

WPLR-1 Brown	0888986	26 x 10 x 22	098268133196	1	25	2,426.00
WPLR-1 Grey	0888989	26 x 10 x 22	098268151879	1	25	2,426.00
WPLR-2 Brown	0888993	43 x 12 x 27	098268185935	1	40	3,019.00
WPLR-2 Grey	0888994	43 x 12 x 27	098268185942	1	50	3,019.00

#### With Heat and Insulation

WPHR-1 Brown	0888987	26 x 10 x 22	098268133202	1	25	2,744.00
WPHR-1 Grey	0888990	26 x 10 x 22	098268151886	1	25	2,744.00
WPHR-2 Brown	0888995	43 x 12 x 27	098268185973	1	50	3,415.00
WPHR-2 Grey	0888996	43 x 12 x 27	098268185980	1	50	3,415.00

\*See ES-WattsRock literature for sizing information



### Pre-Engineered Valve Stations

#### Custom Configured Water Flow Control Systems

PVS-1000	Contact your local Watts representative for pricing and ordering information.
BIC-1000	Contact your local Watts representative for pricing and ordering information.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Lead Free Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFFBV-3C-M1 Series

### Threaded Lead Free Brass, 2 Piece Ball Valve



LFFBV-3C-M1

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFFBV-3C-M1	88005596	1/4	098268163612	120	48	\$ 25.25
LFFBV-3C-M1	88005598	3/8	098268163742	120	49	25.25
LFFBV-3C-M1	88005687	1/2	098268163759	120	58	25.25
LFFBV-3C-M1	88005688	3/4	098268163827	60	40	37.25
LFFBV-3C-M1	88005689	1	098268163834	30	35	54.00
LFFBV-3C-M1	88005694	1 1/4	098268162509	20	33	81.50
LFFBV-3C-M1	88005695	1 1/2	098268163780	16	40	128.00
LFFBV-3C-M1	88005696	2	098268163841	6	24	196.00
LFFBV-3C-M1	88005697	2 1/2	098268163865	5	42	528.50
LFFBV-3C-M1	88005698	3	098268163872	5	62	725.50
LFFBV-3C-M1	88005699	4	098268163896	1	23	1,198.00

LEAD FREE\*

### Solder Lead Free Brass, 2 Piece Ball Valve



LFFBVS-3C-M1

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFFBVS-3C-M1	88005700	1/2	098268163902	120	45	25.25
LFFBVS-3C-M1	88005701	3/4	098268163940	60	34	37.25
LFFBVS-3C-M1	88005702	1	098268163957	30	31	54.00
LFFBVS-3C-M1	88005703	1 1/4	098268163964	20	29	81.50
LFFBVS-3C-M1	88005704	1 1/2	098268163971	16	35	128.00
LFFBVS-3C-M1	88005705	2	098268163988	6	24	196.00
LFFBVS-3C-M1	88005706	2 1/2	098268163995	5	37	528.50
LFFBVS-3C-M1	88005707	3	098268164008	5	57	723.50

LEAD FREE\*

## LFFBV-3C Series

### Threaded Lead Free Brass, 2 Piece Ball Valve



LFFBV-3C

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFFBV-3C	0555101	3/8	098268447705	120	44	25.25
LFFBV-3C	0555102	1/2	098268447712	120	46	25.25
LFFBV-3C	0555103	3/4	098268447729	60	46	37.25
LFFBV-3C	0555104	1	098268447736	30	36	54.00
LFFBV-3C	0555107	1 1/4	098268447767	6	22	196.00
LFFBV-3C	0555109	2	098268447781	5	57	723.50

LEAD FREE\*

### Solder Lead Free Brass, 2 Piece Ball Valve



LFFBVS-3C

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFFBVS-3C	0555110	2 1/2	098268447798	120	42	25.25
LFFBVS-3C	0555111	3	098268447804	60	41	37.25
LFFBVS-3C	0555112	1	098268447811	30	33	54.00
LFFBVS-3C	0555113	1 1/4	098268447828	20	34	81.50
LFFBVS-3C	0555114	1 1/2	098268447835	16	38	128.00
LFFBVS-3C	0555115	2	098268447842	6	23	196.00
LFFBVS-3C	0555116	2 1/2	098268447859	5	33	528.50
LFFBVS-3C	0555117	3	098268447866	5	47	723.50

LEAD FREE\*

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Lead Free Ball Valves



LFFBV-3C-TH



LFFBV-3C-QC

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFFBV-3C Options

### Threaded Lead Free Brass, 2 Piece Ball Valve, with Tee Handle

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBV-3C-TH	0123461	1/2	098268695830	120	46	\$ 28.25
	LFFBV-3C-TH	0123489	3/4	098268696950	60	46	41.00
	LFFBV-3C-TH	0123490	1	098268696967	30	36	59.25

### Threaded Lead Free Brass, 2 Piece Ball Valve, with Stainless Steel Ball and Stem

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBV-3C-SS	0123462	1/2	098268695847	120	50	195.50
	LFFBV-3C-SS	0123463	3/4	098268695854	60	45	273.00
	LFFBV-3C-SS	0123464	1	098268695861	30	37	325.00
	LFFBV-3C-SS	0123465	1 1/4	098268695878	20	37	506.00
	LFFBV-3C-SS	0123466	1 1/2	098268695908	16	42	607.50
	LFFBV-3C-SS	0123467	2	098268695915	6	22	911.00

### Threaded Lead Free Brass, 2 Piece Ball Valve, with Cap and Chain

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBV-3C-CC	0123474	1/2	098268696103	48	32	41.25
	LFFBV-3C-CC	0123475	3/4	098268696110	48	55	54.00

### Solder Lead Free Brass, 2 Piece Ball Valve, with Tee Handle

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBVS-3C-TH	0123491	1/2	098268696998	100	35	29.00
	LFFBVS-3C-TH	0123492	3/4	098268697001	60	41	41.00
	LFFBVS-3C-TH	0123493	1	098268697018	30	33	59.25

### Solder Lead Free Brass, 2 Piece Ball Valve, with Stainless Steel Ball and Stem

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBVS-3C-SS	0123468	1/2	098268695939	120	43	195.50
	LFFBVS-3C-SS	0123469	3/4	098268695953	60	42	273.00
	LFFBVS-3C-SS	0123470	1	098268695960	30	34	325.00
	LFFBVS-3C-SS	0123471	1 1/4	098268695977	20	34	506.00
	LFFBVS-3C-SS	0123472	1 1/2	098268696080	16	39	607.50
	LFFBVS-3C-SS	0123473	2	098268696097	6	23	911.00

### Solder Lead Free Brass, 2 Piece Ball Valve, with Cap and Chain

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBVS-3C-CC	0123476	1/2	098268696127	48	23	41.25
	LFFBVS-3C-CC	0123477	3/4	098268696134	48	41	54.00

### Push to Connect, Lead Free Brass, 2 Piece Ball Valve,

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBV-3C-QC	0555269	1/2	098268450316	96	48	53.00
	LFFBV-3C-QC	0555270	3/4	098268450323	48	46	82.00
	LFFBV-3C-QC	0555271	1	098268450330	24	34	122.50

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Lead Free Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFFBV-4 Series

### Threaded Lead Free Brass, 2 Piece Ball Valve



LFFBV-4

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFFBV-4	0555118	1/4	098268805444	120	47	\$ 21.75
LFFBV-4	0555119	3/8	098268805451	120	47	21.75
LFFBV-4	0555120	1/2	098268805468	120	49	21.75
LFFBV-4	0555121	3/4	098268805475	60	37	30.00
LFFBV-4	0555122	1	098268805482	30	33	41.25
LFFBV-4	0555123	1 1/4	098268805499	20	31	65.50
LFFBV-4	0555124	1 1/2	098268805505	16	38	100.50
LFFBV-4	0555125	2	098268805512	6	23	151.50
LFFBV-4	0555126	2 1/2	098268805529	5	40	422.50
LFFBV-4	0555127	3	098268805536	5	60	600.50

### Solder Lead Free Brass, 2 Piece Ball valve



LFFBVS-4

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFFBVS-4	0555128	1/2	098268805543	120	45	21.75
LFFBVS-4	0555129	3/4	098268805727	60	32	30.00
LFFBVS-4	0555130	1	098268805734	30	29	41.25
LFFBVS-4	0555131	1 1/4	098268805789	20	28	65.50
LFFBVS-4	0555132	1 1/2	098268806120	16	34	100.50
LFFBVS-4	0555133	2	098268455113	6	24	151.50
LFFBVS-4	0555134	2 1/2	098268806175	5	36	422.50
LFFBVS-4	0555135	3	098268806182	5	55	600.50
LFFBVS-4-ST	0555136	1	098268015416	30	31	82.00
LFFBVS-4-ST	0555137	1 1/2	098268015447	16	40	201.00

## LFB6080G2 Series

### Threaded, Lead Free Domestic Bronze Ball Valve



LFB6080G2

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFB6080G2	0450100	1/4	098268763294	48	21	61.75
LFB6080G2	0450101	3/8	098268763355	48	22	61.75
LFB6080G2	0450102	1/2	098268763362	40	20	61.75
LFB6080G2	0450103	3/4	098268763379	40	36	98.25
LFB6080G2	0450104	1	098268763386	24	34	154.00
LFB6080G2	0450105	1 1/4	098268763461	12	25	233.50
LFB6080G2	0450106	1 1/2	098268763478	6	18	296.50
LFB6080G2	0450107	2	098268763485	6	30	518.00

### Solder, Lead Free Domestic Bronze Ball Valve

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFB6081G2	0450108	3/8	098268763492	48	19	61.75
LFB6081G2	0450109	1/2	098268763508	40	16	61.75
LFB6081G2	0450110	3/4	098268763539	40	32	98.25
LFB6081G2	0450111	1	098268763546	24	30	154.00
LFB6081G2	0450112	1 1/4	098268763560	12	22	233.50
LFB6081G2	0450113	1 1/2	098268763652	6	16	296.50
LFB6081G2	0450114	2	098268763669	6	27	518.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Lead Free Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFB6080G2-SS Series

### Threaded, Lead Free Domestic Bronze Ball Valve with Stainless Steel Ball and Stem

LFB6080G2-SS	0450115	1/4	098268763676	48	21	\$ 94.75
LFB6080G2-SS	0450116	1/4	098268763683	48	21	105.00
LFB6080G2-SS	0450117	3/8	098268763690	40	20	112.50
LFB6080G2-SS	0450118	1/2	098268763706	40	36	189.50
LFB6080G2-SS	0450119	3/4	098268763942	24	34	344.00
LFB6080G2-SS	0450120	1	098268763973	12	25	419.50
LFB6080G2-SS	0450121	1 1/4	098268763980	6	18	484.00
LFB6080G2-SS	0422015	2 1/2	098268785241	4	30	2,101.00
LFB6080G2-SS	0422016	3	098268785258	1	11	2,732.00
LFB6080G2-SS	0422017	4	098268785265	1	22	3,643.00



LFB6080G2-SS

LEAD FREE\*



LFB6081G2-SS

LEAD FREE\*

### Solder Lead Free Domestic Bronze Ball Valve with Stainless Steel Ball and Stem

LFB6081G2-SS	0450123	2	098268764000	48	19	105.00
LFB6081G2-SS	0450124	3/8	042805764046	40	16	112.50
LFB6081G2-SS	0450125	1/2	098268764178	40	32	189.50
LFB6081G2-SS	0450126	3/4	098268764185	24	30	344.00
LFB6081G2-SS	0450127	1	098268764192	8	14	419.50
LFB6081G2-SS	0450128	1 1/4	098268764314	6	16	484.00
LFB6081G2-SS	0450129	1 1/2	098268764321	6	26	802.50
LFB6081G2-SS	0422021	2 1/2	098268785302	1	7	2,101.00
LFB6081G2-SS	0422022	3	098268785319	1	11	2,732.00
LFB6080G2-SS	0450122	1 1/2	098268763997	6	29	802.50

## LFB6000/ LF6001 Series

LFB6000	0555192	2 1/2	098268433029	1	15	1,315.00
LFB6000	0555193	3	098268433036	1	19	1,539.00
LFB6000	0555194	4	098268433043	1	30	2,678.00
LFB6001M2	0555198	1	098268433111	24	38	127.50
LFB6001	0555203	3	098268433166	1	16	1,570.00



LFB6800

LEAD FREE\*

## LFB6400

### Lead Free Ball Valve with mounting pad

LFB6400	0123190	1/4	098268669336	48	48	94.75
LFB6400	0123192	3/8	098268669374	40	48	94.75
LFB6400	0123194	1/2	098268669510	40	24	94.75
LFB6400	0123196	3/4	098268669596	32	40	123.50
LFB6400	0123198	1	098268669695	16	34	166.50
LFB6400	0123200	1 1/4	098268672039	12	34	198.50
LFB6400	0123202	1 1/2	098268672107	12	50	312.00
LFB6400	0123204	2	098268672138	4	27	490.50
LFB6400	0123206	2 1/2	098268673555	1	14	2,091.00
LFB6400	0123208	3	098268673586	1	17	2,242.00
LFB6400	0123210	4	098268673609	1	25	2,683.00



LFB6400

LEAD FREE\*

### Lead Free Ball Valves with mounting pad with locking level handle

LFB6400-LL	0125207	1/4	098268852035	40	20	211.00
LFB6400-LL	0125208	3/8	098268852042	48	48	211.00
LFB6400-LL	0125209	1/2	098268852226	40	32	214.50
LFB6400-LL	0125210	3/4	098268852233	32	50	380.50
LFB6400-LL	0125212	1	098268852257	16	34	320.00
LFB6400-LL	0125214	1 1/4	098268852271	12	39	506.00
LFB6400-LL	0125215	2	098268852288	4	26	842.50
LFB6400-LL	0125216	1 1/2	098268852295	12	51	726.50
LFB6400-LL	0125217	2 1/2	098268852301	1	13	2,765.00
LFB6400-LL	0125223	3	098268852752	1	17	3,193.00



LFB6400-LL

LEAD FREE\*

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Lead Free Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFIT6300 Series

### Threaded Lead Free Ball Valve Ball Valves with Drain Port

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFIT6300	0123625	1/2	098268701432	120	55	38.75
	LFIT6300	0123626	3/4	098268701449	60	39	54.00
	LFIT6300	0123627	1	098268701456	36	41	70.00

### Solder Lead Free Ball Valve Ball Valves with Drain Port

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFS6301	0123628	1/2	098268701470	120	49	38.75
	LFS6301	0123629	3/4	098268701494	60	45	54.00
	LFS6301	0123630	1	098268701500	36	44	70.00



LFIT6300

## LFFBV-PEX-F1960 Series

### F1960 PEX, Lead Free Ball Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBV-PEX-F1960	88005387	1/2	098268010312	112	32	27.00
	LFFBV-PEX-F1960	88005393	3/4	098268010329	80	32	33.75
	LFFBV-PEX-F1960	88005394	1	098268010404	32	24	47.25
	LFFBV-PEX-F1960	88009052	1 1/4	098268177800	16	19	79.25
	LFFBV-PEX-F1960	88009053	1 1/2	098268177817	16	23	93.50
	LFFBV-PEX-F1960	88009054	2	098268177824	12	30	108.00



LFFBV-PEX-F1960

### F1960 PEX, Lead Free Ball Valve Ball Valves with Drain Port

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBVD-PEX-F1960	88006014	1/2	098268002461	80	26	28.00
	LFFBVD-PEX-F1960	88006015	3/4	098268010114	48	22	35.75
	LFFBVD-PEX-F1960	88006016	1	098268010305	24	20	49.75



LFFBVD-PEX-F1960

## LFFBV-PEX Series

### PEX, Lead Free Ball Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBV-PEX	0555272	1/2	098268450347	40	12	21.50
	LFFBV-PEX	0555273	3/4	098268450354	40	19	31.75
	LFFBV-PEX	0555274	1	098268450361	40	29	60.25



LFFBV-PEX

### PEX, Lead Free Ball Valves with Drain Port

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFFBVD-PEX	0555307	1/2	098268143959	60	21	35.25
	LFFBVD-PEX	0555308	3/4	098268144208	60	29	54.25

# Lead Free Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFBRV

### Lead Free Combination Ball Valve and Relief Valve

LFBRVT-80	0125273	3/4	98268853841	32	34	\$ 227.00
LFBRVP-125	0125274	3/4	98268853858	24	29	250.00
LFBRVPxPxP-125	0125275	3/4	98268853865	24	27	250.00
LFBRVM1TxTxC-125	0125563	3/4	98268094244	24	25	134.00
LFBRVM1TxTxC-80	0125564	3/4	98268094251	24	25	134.00
LFBRVM1PxPxP-125	0125565	3/4	98268094268	24	30	134.00
LFBRVM1PxPxP-125	0125566	3/4	98268094275	24	29	134.00
LFBRVM1SxSxP-80	0125567	3/4	98268094282	24	23	134.00
LFBRVM1SxSxB-125	0125568	3/4	98268094299	24	22	134.00
LFBRVM1TxTxB-125	0125569	3/4	98268094374	24	25	134.00
LFBRVM1SxSxC-125	0125570	3/4	98268094404	24	23	134.00
LFBRVM1PxPxP-125	0125585	3/4	98268142815	24	29	134.00



FBRVM1TxTxC-80

LEAD FREE\*



LFFBV-3-Press-M2

## LFFBV-3-Press-M2 Series

### Press, Lead free Ball Valve

LFFBV-3 Press-M2	88005493	1/2	98268153118	50	26	77.75
LFFBV-3 Press-M2	88005494	3/4	98268153125	40	31	99.25
LFFBV-3 Press-M2	88005495	1	98268153163	20	24	130.00
LFFBV-3 Press-M2	88005496	1-1/4	98268153170	20	33	189.50
LFFBV-3 Press-M2	88005497	1-1/2	98268153194	16	39	312.00
LFFBV-3 Press-M2	88005498	2	98268153224	8	31	438.50
LFFBV-3 Press-M2	88005499	2-1/2	98268153361	2	14	1,451.00
LFFBV-3 Press-M2	88005500	3	98268153385	2	20	2,028.00
LFFBV-3 Press-M2	88005501	4	98268152975	2	35	2,669.00
LFFBV-3-PRESS-XLC	0125084	2 1/2	98268848076	1	9	1,498.00
LFFBV-3-PRESS-M1	0555299	3/4	98268064674	50	36	104.00
LFFBV-3-PRESS-M1	0555300	1	98268064681	40	37	136.50
LFFBV-3-PRESS-M1	0555301	1 1/4	98268064698	20	31	197.00
LFFBV-3-PRESS-M1	0555303	2	98268064711	8	36	457.50

LEAD FREE\*

## LFB6780-M1 Series

### Threaded, Lead Free Diverter Valves

LFB6780M1	0123394	1/4	98268693287	24	16	128.00
LFB6780M1	0123395	3/8	98268693294	24	16	128.00
LFB6780M1-SH	0125236	1	98268852882	8	15	233.50
LFB6780M1	0555219	1/2	98268433326	24	16	139.00
LFB6780M1	0555220	3/4	98268433333	24	26	148.50
LFB6780M1	0555221	1	98268433340	16	30	246.00
LFB6780M1	0555222	1 1/4	98268433357	12	48	461.00
LFB6780M1	0555223	1 1/2	98268433364	6	39	524.00
LFB6780M1	0555224	2	98268433371	1	10	874.50



LFB6780M1

LEAD FREE\*

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Lead Free Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LFB6800 Series

### Threaded Lead free, 3 Piece Ball Valves

LFB6800	0123222	1/2	098268689143	32	35	\$ 184.50
LFB6800	0123227	3/4	098268689365	16	36	227.00
LFB6800	0123231	1	098268689440	8	33	367.00
LFB6800	0123234	1 1/4	098268689471	6	36	529.00
LFB6800	0123239	1 1/2	098268689723	4	36	692.50
LFB6800	0123242	2	098268689938	2	30	1,019.00
LFB6800-XH	0123223	1/4	098268689150	16	32	329.50
LFB6800-XH	0123224	1/2	098268689198	16	18	361.00
LFB6800-XH	0123228	1 1/2	098268689372	2	18	931.00
LFB6800-XH	0123229	2	098268689389	4	55	1,588.00
LFB6800-LL	0123243	1/4	098268689945	32	32	211.50
LFB6800-LL	0123244	3/8	098268689952	32	32	211.50
LFB6800-LL	0123245	1/2	098268689969	32	35	234.00
LFB6800-LL	0123246	3/4	098268689976	16	48	273.00
LFB6800-LL	0123247	1	098268689983	8	31	403.50
LFB6800-LL	0123248	1 1/4	098268689990	6	36	602.50
LFB6800-LL	0123249	1 1/2	098268690118	4	36	747.50
LFB6800-LL	0123250	2	098268690194	2	28	1,041.00
LFB6800-XH	0123299	1	098268691184	8	32	523.00
LFB6800-ST	0125237	1 1/4	098268852929	6	27	638.00
LFB6800-LC	0125240	1/2	098268853070	32	35	337.50
LFB6800-LC	0125241	3/4	098268853087	16	40	396.00
LFB6800-LC	0125242	1 1/4	098268853094	6	37	780.00
LFB6800-LC	0125243	2	098268853100	2	29	1,629.00
LFB6800-LC	0125244	3/8	098268853117	32	32	305.50

### Solder, Lead free, 3 Piece Ball Valves

LFB6801-XH	0123254	1 1/2	098268690255	2	19	973.50
LFB6801-XH	0123255	2	098268690262	4	55	1,546.00
LFB6801-XH	0125246	1/2	098268853131	16	18	352.50
LFB6801-LL	0125248	1/2	098268853155	32	80	352.50
LFB6801-LL	0125249	3/4	098268853162	16	40	413.00
LFB6801-LL	0125250	1	098268853179	8	36	544.50
LFB6801-LL	0125251	1 1/2	098268853308	4	37	947.50
LFB6801-LL	0125260	1 1/4	098268853650	6	36	759.50
LFB6801-LL	0125261	2	098268853667	1	14	1,588.00
LFB6800	0123221	3/8	098268689136	32	32	161.50
LFB6801	0123275	1/2	098268690958	32	35	213.50
LFB6801	0123276	3/4	098268690965	16	34	261.50
LFB6801	0123277	1	098268690972	8	31	425.00
LFB6801	0123278	1 1/4	098268690989	6	37	612.50
LFB6801	0123279	1 1/2	098268690996	4	33	799.00
LFB6801	0123280	2	098268691009	1	16	1,177.00



LFB6801

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Lead Free Ball Valves

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



# Lead Free Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Mixed and alternate Connections

### Push to Connect with Drop Ears, Lead Free Ball Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFWQCDE	88005512	1/2	098268153330	50	23	23.50
	LFWQCDE	88005513	3/4	098268153392	50	35	28.75
	LFWQCDE	88005514	1	098268153408	30	38	50.00

### Push to Connect x MIP, Lead Free Ball Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFWQCFIP	88005515	1/2	098268153293	50	45	20.75
	LFWQCFIP	88005517	3/4	098268153484	50	30	27.75
	LFWQCFIP	88005518	1	098268153569	30	36	49.50

## LFEMVI6400SS Series

### Lead Free Actuated Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFEMVI6400SS115-8	0123301	3/8	098268691214	1	10	3,136.00
	LFEMVI6400SS 115-35	0123411	1/2	098268694031	1	9	2,612.00
	LFEMVI6400SS350 24-40	0123412	2	098268694048	1	6	4,148.00
	LFEMVI6400SS 115-35	0123417	3/4	098268694147	1	10	2,726.00
	LFEMVI6400SS 115-35	0123421	1	098268694192	1	10	2,856.00
	LFEMVI6400SS 24-18	0123423	1	098268694215	1	12	2,506.00
	LFEMVI6400SS115-35	0123426	11/4	098268694253	1	11	2,978.00
	LFEMVI6400SS24-18	0123427	1	098268694277	1	11	2,614.00
	LFEMVI6400SS 24-18	0123430	1	098268694307	1	13	2,730.00
	LFEMVI6400SS350 24-18	0123436	2	098268694369	1	15	4,148.00
	LFEMVI6400SS 115-10	0123831	1/2	098268015782	1	6	2,612.00
	LFEMVI6400SS 115-10	0123837	3/4	098268017014	1	7	2,726.00
	LFEMVI6400SS 115-10	0123841	1	098268017243	1	7	2,856.00
	LFEMVI6400SS115-10	0123845	1	098268017441	1	8	2,978.00
	LFEMVI6400SS115-10	0123849	11/2	098268020014	1	9	3,111.00
	LFEMVI6400SS 115-10	0123854	1/4	098268021202	1	6	2,612.00
	LFEMVI6400SS 24-18	0123414	1/2	098268694093	1	9	2,295.00
	LFEMVI6400SS115-35	0123432	11/2	098268694321	1	12	3,111.00
	LFEMVI6400SS350115-40	0123437	2	098268694376	1	15	4,148.00
	LFEMVI6400SS350 24-68	0123833	2	098268016208	1	11	4,148.00
	LFEMVI6400SS350 115-10	0123834	2	098268016260	1	11	4,148.00
	LFEMVI6400SS 24-68	0123840	3/4	098268017236	1	7	2,334.00
	LFEMVI6400SS 24-68	0123844	1	098268017434	1	7	2,506.00
	LFEMVI6400SS24-68	0123848	1	098268017724	1	8	2,614.00
	LFEMVI6400SS24-68	0123851	1	098268021004	1	9	2,730.00
	EMV Actuator 115 - 10	0123856	Replacement kit	098268184549	1	4	2,222.00
	EMV Actuator 24 - 68	0123859	Replacement kit	098268184877	1	5	1,951.00
	EMV Hardware Kit #1	0123860	Replacement kit	098268184884	1	1	108.00
	EMV Hardware Kit #2	0123861	Replacement kit	098268184891	1	1	108.00
	EMV Hardware Kit #3	0123862	Replacement kit	098268184907	1	.9	108.00
	EMV Hardware Kit #4	0123863	Replacement kit	098268184914	1	1	108.00
	EMV Hardware Kit #5	0123864	Replacement kit	098268184921	1	1	144.00



LFEMVI6-6400SS

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Leaded Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Leaded Ball Valves 2 Piece Ball Valves

### FBV/FBVS Series

#### Threaded Brass

FBV-3C	0547100	1/4	098268335811	120	45	\$ 20.50
FBV-3C	0547101	3/8	098268335941	120	44	20.50
FBV-3C	0547102	1/2	098268335958	120	46	20.50
FBV-3C	0547103	3/4	098268335996	60	46	28.75
FBV-3C	0547104	1	098268335972	30	36	41.50
FBV-3C	0547105	1 1/4	098268335873	20	40	64.75
FBV-3C	0547106	1 1/2	098268335880	16	51	99.25
FBV-3C	0547107	2	098268335897	6	27	152.50
FBV-3C	0547108	2 1/2	098268335903	5	53	416.00
FBV-3C	0547109	3	098268335910	5	68	569.00
FBV-3C Trim/Drain	0547125	1/4	098268340952	120	45	37.50
FBV-3C Trim/Drain	0547127	1/2	098268340891	120	46	41.25
FBV-3C Trim/Drain	0547128	3/4	098268340907	60	51	49.75
FBV-3C Trim/Drain	0547129	1	098268340914	30	41	109.00
FBV-3C Trim/Drain	0547130	1 1/4	098268340921	20	37	130.00
FBV-3C Trim/Drain	0547131	1 1/2	098268340938	16	41	158.50
FBV-3C Trim/Drain	0547132	2	098268340945	6	27	240.50

#### Soldered Brass

FBVS-3C	0547110	1/2	098268335828	120	46	20.50
FBVS-3C	0547111	3/4	098268335965	60	41	28.75
FBVS-3C	0547112	1	098268335835	30	33	41.50
FBVS-3C	0547113	1 1/4	098268335842	20	35	64.75
FBVS-3C	0547114	1 1/2	098268335859	16	48	99.25
FBVS-3C	0547115	2	098268335866	6	23	152.50
FBVS-3C	0547116	2 1/2	098268335927	5	41	416.00
FBVS-3C	0547117	3	098268335934	5	59	569.00



FBV-3C

### GBV Series

#### One Piece - Brass - CSA/UL

GBV-1	0544999	1/2	098268792362	144	65	36.75
GBV-1	0545000	3/4	098268792379	96	67	45.50

#### 2 Piece - Brass - CSA/UL

GBV	0545001	3/8	098268074352	144	44	18.50
GBV	0545003	1	098268074376	144	50	18.50
GBV	0545005	3/4	098268074390	72	37	24.50
GBV	0545007	1	098268074413	60	72	51.00
GBV-FL	0545002	1/2x3/8	098268074369	144	54	17.50
GBV-FL	0545004	1/2x1/2	098268074383	144	27	17.50
GBV-FL	0545006	3/4x5/8	098268074406	72	42	40.00



GBV



GBV-1

## Leaded Ball Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Specialized Ball Valves

#### Carbon Steel

C-FBV-1-LL	0547983	3/4	098268706338	60	81	\$ 230.50
C-FBV-1	0548000	1/4	098268386660	80	49	173.00
C-FBV-1	0548001	3/8	098268386677	80	44	173.00
C-FBV-1	0548002	1/2	098268386684	80	64	201.00
C-FBV-1	0548003	3/4	098268386691	60	71	240.50
C-FBV-1	0548004	1	098268386707	36	73	322.50
C-FBV-1	0548006	1 1/2	098268386721	12	53	654.50
C-FBV-1	0548007	2	098268386738	8	48	793.50
C-FBV-1	0548008	2 1/2	098268386745	1	16	2,035.00
C-FBV-1	0548009	3	098268386752	1	21	2,380.00

#### Stainless steel

S-FBV-1	0548010	1/4	098268386769	80	54	211.00
S-FBV-1	0548011	3/8	098268386776	80	54	224.00
S-FBV-1	0548012	1/2	098268386783	80	72	249.00
S-FBV-1	0548013	3/4	098268386790	60	83	326.00
S-FBV-1	0548014	1	098268386806	36	71	455.50
S-FBV-1	0548015	1 1/4	098268386813	24	78	623.50
S-FBV-1	0548016	1 1/2	098268386820	12	54	858.00
S-FBV-1	0548017	2	098268386837	8	57	1,196.00
S-FBV-1	0548018	2 1/2	098268386844	1	16	2,184.00
S-FBV-1	0548019	3	098268386851	1	20	2,505.00



C-FBV-M1



S-FBV-1

## Leaded Ball Valves



G4000M1

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Cast Iron Ball Valves

G4000M1	0822650	2	098268908831	1	32	1,341.00
G4000M1	0822651	2 1/2	098268908848	1	50	1,594.00
G4000M1	0822652	3	098268908855	1	59	1,822.00
G4000M1	0822653	4	098268908862	1	89	1,943.00
G4000M1	0822654	6	098268908879	1	155	3,791.00

### G40000-FDA Fused Epoxy Coating

G4000-FDA	0820972	2	098268093063	1	24	1,933.00
G4000-FDA	0820973	2 1/2	098268093070	1	38	2,076.00
G4000-FDA	0820974	3	098268093087	1	46	2,462.00
G4000-FDA	0820975	4	098268093094	1	65	3,450.00
G4000-FDA	0820976	6	098268093100	1	137	8,725.00
G4000M-FDA	0820982	8	098268093155	1	395	10,003.00

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Leaded Ball Valves

# Silent Check Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Silent Check Valves

### Series ICV

**Cast Iron, Wafer Style, Double Disc - Fits ANSI Class 125 or 150 Flanges - API 594, 200 CWP**



ICV-125-2-2-T

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
ICV-125-2-2-T	0625500	2	098268878738	1	5	\$ 540.50
ICV-125-2-2-T	0625501	2 1/2	098268878837	1	6	855.00
ICV-125-2-2-T	0625502	3	098268878745	1	8	899.50
ICV-125-2-2-T	0625503	4	098268878752	1	12	1,140.00
ICV-125-2-2-T	0625504	5	098268878769	1	16	1,851.00
ICV-125-2-2-T	0625505	6	098268878776	1	25	2,024.00
ICV-125-2-2-T	0625506	8	098268878783	1	48	3,115.00
ICV-125-2-2-T	0625507	10	098268878790	1	78	4,925.00
ICV-125-2-2-T	0625508	12	098268878806	1	121	6,599.00

### Bronze Silent Check Valves -

**Warning: Not to be used for reciprocating air compressor service.**

### Series LF600

**Threaded Ends - Maxi-flo Check Valves - PTFE Seat - 15 WSP/400 WOG**



LF600

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF600	0555173	1/4	098268432831	40	28	151.00
LF600	0555174	3/8	098268432848	40	20	151.00
LF600	0555175	1/2	098268432855	40	17	151.00
LF600	0555176	3/4	098268432862	40	28	179.00
LF600	0555177	1	098268432879	32	41	243.50
LF600	0555178	1 1/4	098268432886	12	25	348.00
LF600	0555179	1 1/2	098268432893	6	19	429.00
LF600	0555180	2	098268432909	6	27	642.50

### Series LF601

**Threaded Ends - Bronze Seat, Viton® Disc - 400 WOG**

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF601	0123071	1/4	098268653328	40	24	177.50
LF601	0123072	3/8	098268653335	40	24	177.50
LF601	0123073	1/2	098268653342	40	19	177.50

**Solder Ends - Bronze Seat, Viton® Disc - 400 WOG**



LF601S

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF601S	0555181	1/2	098268432916	40	13	151.50
LF601S	0555182	3/4	098268432923	40	28	201.00
LF601S	0555183	1	098268432930	32	35	271.00

### Series LF6

**Midi Check Valves - Threaded Ends**

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF6	0123066	1/4	098268653151	50	17	126.00
LF6	0123067	3/8	098268653168	50	15	126.00
LF6	0123068	1/2	098268653175	50	14	126.00
LF6	0123069	3/4	098268653182	50	25	147.00
LF6	0123070	1	098268653311	50	41	174.50

Viton® is a registered trademark of DuPont Dow Elastomers

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Brass Check Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Cast Iron Check Valves

#### Series 411

#### ANSI 125 Flanged Swing Checks - UL/FM Listed Except 2" - (200 WOG)



LEAD FREE

411	0390035	8	098268025651	1	310	\$ 3,854.00
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411

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Gate/Globe/Check Valves

## Detector Check

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Stainless Steel Single Detector Checks Valves

#### Series SS07F

Drilled, tapped and plugged for right or left bypass line.

125# Flanged Connection, Less Bypass Assembly. UL/FM



SS07F

SS07F	0065130	4	098268920697	1	43	\$ 2,169.00
SS07F	0065131	6	098268920703	1	61	3,522.00
SS07F	0065132	8	098268920710	1	206	6,772.00
SS07F	0065133	10	098268920727	1	128	7,342.00

#### Series SS07F

#### Optional By-Pass Valves - 3/4" Bypass with GPM/CFM Meter

SS07F-CFM	0065135	4	098268920734	1	60	4,229.00
SS07F-GPM	0065136	4	098268920741	1	60	4,229.00
SS07F-CFM	0065137	6	098268920758	1	78	5,739.00
SS07F-GPM	0065138	6	098268920765	1	79	5,739.00
SS07F-CFM	0065139	8	098268920772	1	90	8,987.00
SS07F-GPM	0065140	8	098268920789	1	90	8,987.00
SS07F-CFM	0065141	10	098268920796	1	135	9,774.00
SS07F-GPM	0065142	10	098268920802	1	135	9,774.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Cast Iron Gate Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Cast Iron Gate Valves

### Series 405

#### Flanged Gate Valves - ANSI 125 - 200 WOG - Resilient Wedge, Epoxy Coated, NRS

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
405RW	0700102	2	098268087109	1	28	\$ 481.00
405RW	0700103	2 1/2	098268087116	1	35	612.50
405RW	0700104	3	098268087123	1	57	719.50
405RW	0700105	4	098268087130	1	74	999.00
405RW	0700106	6	098268087147	1	124	1,681.00
405RW	0700107	8	098268087154	1	219	2,504.00
405RW	0700108	10	098268087161	1	328	4,787.00



408-OSY-RW

### Series 408

#### Resilient Wedge, Epoxy Coated, OSY - UL/FM Listed

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
408-OSY-RW	0702310	2 1/2	098268089134	1	57	995.50
408-OSY-RW	0702315	3	098268089141	1	64	1,090.00
408-OSY-RW	0702320	4	098268089158	1	94	1,358.00
408-OSY-RW	0702325	6	098268089165	1	145	2,163.00
408-OSY-RW	0702330	8	098268089172	1	326	3,579.00
408-OSY-RW	0702335	10	098268089189	1	397	5,673.00
408-OSY-RW	0702340	12	098268089196	1	853	7,225.00

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Brass Gate Valves

### Series LFWGV

#### Threaded Ends - 125 WSP/200 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFWGV	0555158	1/2	098268449860	120	73	\$ 31.25
LFWGV	0555159	3/4	098268449877	80	66	38.50
LFWGV	0555160	1	098268449884	60	71	55.00

#### Solder Ends - 125 WSP/200 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFWGVS	0555167	1/2	098268449952	120	67	42.75
LFWGVS	0555168	3/4	098268449969	80	68	55.50
LFWGVS	0555169	1	098268449976	60	67	80.50

## WGV Series

### Brass Cross Handle Gate Valve

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
WGV-X	0770212	3/4	098268369472	90	73	41.50
WGV-X	0770213	1	098268369489	60	70	52.50
WGV-X	0770214	1 1/4	098268369496	40	71	72.00
WGV-X	0770216	2	098268369519	20	67	129.50
WGV-X	0770217	2 1/2	098268369526	12	75	259.00

## Brass Check Valve

### Series LFWCV

#### Threaded Ends - 125 WSP/200 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFWCV	0123494	1/2	098268697032	120	48	\$ 34.00
LFWCV	0123495	3/4	098268697049	100	55	65.50
LFWCV	0123496	1	098268697070	80	60	94.50

#### Solder Ends - 125 WSP/200 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFWCVS	0123503	1/2	098268697186	160	112	34.00
LFWCVS	0123504	3/4	098268697193	100	60	41.50
LFWCVS	0123505	1	098268697209	80	64	65.50



LFWCV

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Gate Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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LFSWS

## LF Stop and Waste Valves

### LFSWS Series

#### Solder, Lead Free Gate Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFSWS	0123616	1/2	098268736717	144	74	\$ 42.00
	LFSWS	0960105	1/2	098268704150	72	22	42.00
	LFSWS	0960106	3/4	098268704167	72	65	48.25



LFSWT

### LFSWT Series

#### Threaded, Lead Free Gate Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFSWT	0123612	1/2	098268701234	72	1	44.25
	LFSWT	0123613	3/4	098268701241	72	45	48.75
	LFSWT	0960109	1/2	098268704198	96	43	44.25
	LFSWT	0960110	3/4	098268704204	48	22	48.75



LFSS

### LFSS Series

#### Solder, Lead Free Gate Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFSS	0123608	1/2	098268701227	72	35	23.50
	LFSS	0960101	1/2	098268704242	60	21	39.00
	LFSS	0960102	3/4	098268704259	72	36	43.00



LFST

### LFST Series

#### Threaded, Lead Free Gate Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFST	0123606	3/4	098268735949	72	38	38.00
	LFST	0123607	1/2	098268701197	72	40	31.25
	LFST	0960103	1/2	098268704266	72	29	39.00
	LFST	0960104	3/4	098268704273	72	36	45.00



LFWGV

### LFWGV Series

#### Threaded, Lead Free Brass Gate Valves

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFWGV	0555158	1/2	098268449860	120	73	31.25
	LFWGV	0555159	3/4	098268449877	80	66	38.50
	LFWGV	0555160	1	098268449884	60	71	55.00
	LFWGV	0960097	1/2	098268704129	120	54	48.25
	LFWGV	0960098	3/4	098268704136	80	52	56.25
	LFWGV	0960099	1	098268704143	60	54	70.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



# Strainers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Cast Iron Strainers

### Series 77

#### Wye Type - Threaded Connections, - 250 WSP/400 WOG

##### 20 Mesh Screen (3" has 3/64" Perforated Screen) - Tapped Blowdown



77SM1

77SM1-20	0220201	1/4	098268643138	12	32	\$ 69.75
77SM1-20	0220200	3/8	098268643121	12	32	69.75
77SM1-20	0220202	1/2	098268643145	12	32	69.75
77SM1-20	0220203	3/4	098268643152	12	60	86.25
77SM1-20	0220204	1	098268643169	6	29	95.00
77SM1-20	0220205	1 1/4	098268643176	6	41	121.00
77SM1-20	0220206	1 1/2	098268643183	4	33	146.50
77SM1-20	0220208	2	098268643190	2	47	226.50
77SM1-20	0220209	2 1/2	098268643206	1	27	498.50
77SM1-3/64	0220210	3	098268643275	1	27	697.50

#### Wye Type - Threaded Connections - 250 WSP/400 WOG

##### 20 Mesh Screen (2 1/2" and 3" has 3/64" Perforated Screen) - Tapped Blowdown



77SI

77SI	0220082	1/4	098268011777	10	12	40.75
77SI	0220071	1/2	098268011685	10	15	49.25
77SI	0220073	3/4	098268011708	10	20	52.75
77SI	0220075	1	098268011722	8	25	64.75
77SI	0220077	1 1/4	098268011739	6	31	103.50
77SI	0220079	1 1/2	098268011753	4	26	117.50
77SI	0220081	2	098268011760	3	36	166.00
77SI	0220084	2 1/2	098268011791	1	26	391.50
77SI	0220085	3	098268011807	1	35	557.50

#### Flanged Connections - ANSI 125 Flanged Ends - with Tapped Closure Plug - 125 WSP/200 WOG



77F-DI-125

77F-DI-125	0825200	2	098268051704	1	20	379.50
77F-DI-125	0825201	2 1/2	098268051711	1	36	419.50
77F-DI-125	0825202	3	098268051728	1	37	605.00
77F-DI-125	0825203	4	098268051735	1	70	755.50
77F-DI-125	0825204	5	098268051742	1	110	1,595.00
77F-DI-125	0825205	6	098268051759	1	146	1,610.00
77F-DI-125	0825206	8	098268051803	1	254	2,602.00
77F-DI-125	0825207	10	098268051810	1	460	4,740.00
77F-DI-125	0825208	12	098268051827	1	573	7,050.00

#### Flanged Connections - Epoxy Coated FDA Approved - ANSI 125 Flanged Ends - with Tapped Closure Plug - 200 WOG



77F-DI-FDA-125

77F-DI-FDA-125	0825209	2	098268051834	1	21	960.50
77F-DI-FDA-125	0825210	2 1/2	098268051841	1	38	1,018.00
77F-DI-FDA-125	0825211	3	098268051858	1	38	1,076.00
77F-DI-FDA-125	0825212	4	098268051872	1	66	1,648.00
77F-DI-FDA-125	0825213	5	098268051889	1	100	2,602.00
77F-DI-FDA-125	0825214	6	098268051896	1	147	3,093.00
77F-DI-FDA-125	0825215	8	098268051902	1	311	3,820.00
77F-DI-FDA-125	0825216	10	098268051919	1	494	7,016.00
77F-DI-FDA-125	0825217	12	098268051940	1	663	15,274.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Strainers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Ductile Iron Strainers

### Series 77 (cont.)

#### Flanged Connections - ANSI 250 Flanged Ends - Tapped with Closure Plug - 250 WSP/500 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
77F-DI-250	0823039	2	098268880786	1	25	\$ 912.50
77F-DI-250	0823040	2 1/2	098268880793	1	42	977.50
77F-DI-250	0823041	3	098268880809	1	50	1,098.00
77F-DI-250	0823042	4	098268880816	1	90	1,989.00
77F-DI-250	0823043	5	098268880823	1	160	3,306.00
77F-DI-250	0823044	6	098268880830	1	178	3,887.00
77F-DI-250	0823045	8	098268880847	1	282	6,385.00
77F-DI-250	0823046	10	098268880854	1	590	13,248.00
77F-DI-250	0823047	12	098268880861	1	890	20,639.00

## Bronze Strainers

### Series LF777

#### Wye Type - Threaded Connections - Not Tapped - 400 WOG/125 WSP (4" - 125 WSP/300 WOG)

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF777M1-20	0123075	1/4	098268653366	12	6.5	232.00
LF777M1-20	0123076	3/8	098268653373	12	6.1	232.00
LF777M1-20	0123080	1/2	098268653410	12	9.0	232.00
LF777M1-20	0123086	3/4	098268653489	12	14	282.50
LF777M120	0123095	1	098268653878	6	12	324.50
LF777M1-20	0123106	1 1/4	098268654257	6	15	425.50
LF777M1-20	0123113	1 1/2	098268657951	4	16	475.00
LF777M3-20	0123162	2	098268664966	3	21	769.50
LF777-20	0123126	2 1/2	098268664560	2	22	2,140.00
LF777-04	0123129	3	098268664607	1	23	2,334.00
LF777-12	0123146	4	098268664799	1	36	5,013.00

#### Wye Type - Solder End Connections - Not Tapped for Closure Plug - 125 WSP/400 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFS777M1-20	0123147	1/2	098268664805	12	12	239.50
LFS777M1-20	0123148	3/4	098268664812	12	15	290.50
LFS777M1-20	0123150	1 1/4	098268664836	12	34	432.00
LFS777M1-20	0123151	1 1/2	098268664843	6	26	483.50
LFS777M3-20	0123122	2	098268664522	6	46	769.50

#### Wye Type - Threaded Connections - with Tapped Retainer Cap (closure plug not provided) - 125 WSP/400 WOG (4" - 125 WSP/400 WOG)

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF777SM1-20	0123081	1/2	098268653427	12	8.4	239.50
LF777SM1-20	0124002	3/4	098268769951	12	13	290.50
LF777SM1-20	0124003	1	098268769968	6	11	332.00
LF777SM1-20	0124004	1 1/4	098268770193	6	14	432.00
LF777SM1-20	0124005	1 1/2	098268770223	4	14	483.50
LF777SM3-20	0124006	2	098268770285	3	18	777.50
LF777S-20	0124007	2 1/2	098268770698	2	22	2,140.00
LF777S-04	0124008	3	098268771374	1	23	2,334.00
LF777S-12	0124009	4	098268771435	1	43	5,013.00



LF777



LFS777



LF777S

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Strainers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Bronze Strainers - (cont.)

### Series LF777

#### Wye Type - Solder End Connections - with Tapped Retainer Cap (closure plug not provided) - 125 WSP/400 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFS777SM1-20	0123132	1/2	098268664638	12	9	\$ 239.50
LFS777SM1-20	0123133	3/4	098268664645	12	12	290.50
LFS777SM1-20	0123134	1	098268664652	6	12	332.00
LFS777SM1-20	0123135	1 1/4	098268664669	12	32	432.00
LFS777SM1-20	0123136	1 1/2	098268664676	6	24	483.50
LFS777SM3-20	0123121	2	098268664515	6	40	769.50

#### Wye Type - Threaded Connections - with Tapped Retainer Cap and Closure Plug - 125 WSP/400 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF777SI	0379110	3/8	098268285581	80	38	52.25
LF777SI	0379111	1/2	098268285598	48	29	114.00
LF777SI	0379112	3/4	098268285604	36	33	153.50
LF777SI	0379113	1	098268285611	24	36	176.00
LF777SI	0379114	1 1/4	098268285628	18	40	252.50
LF777SI	0379115	1 1/2	098268285635	12	35	356.00
LF777SI	0379116	2	098268285642	6	30	523.50

#### Wye Type - Threaded Connections - with Tapped Retainer Cap and Closure Plug - 125 WSP/300 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF777SI	†0379117	2 1/2	098268285659	3	36	1,631.00
LF777SI	†0379118	3	098268285666	2	34	1,779.00

#### Wye Type - Solder Connections - with Tapped Retainer Cap and Closure Plug - 125 WSP/400 WOG

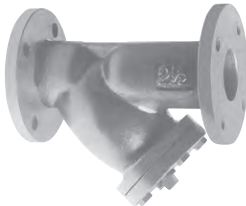
Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFS777SI	0379119	1/2	098268285673	48	22	114.00
LFS777SI	0379120	3/4	098268285680	36	24	153.50
LFS777SI	0379121	1	098268285697	24	24	176.00
LFS777SI	0379122	1 1/4	098268285703	18	29	252.50
LFS777SI	0379123	1 1/2	098268285734	12	27	356.00
LFS777SI	0379124	2	098268285758	6	24	523.50

#### Flanged Connections - Class 150 - with Tapped Closure Plug - 150 WSP/225 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
77F-BI	0823048	2	098268880878	1	20	5,079.00
77F-BI	0823049	2 1/2	098268880885	1	32	7,309.00
77F-BI	0823050	3	098268880892	1	44	9,644.00
77F-BI	0823051	4	098268880908	1	68	14,632.00
77F-BI	0823052	6	098268880915	1	134	25,318.00



LF777SI



77F-BI

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Strainers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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LF27

## Bronze Strainers (cont.)

### Series LF27

#### Threaded Connections - "V" Type, Water Strainers - 250 CWP

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF27-40	0555157	1/8	098268432824	50	13	\$ 115.00
LF27-40	0123053	1/4	098268652949	50	23	177.50
LF27-40	0123064	3/8	098268653137	50	45	216.50
LF27-40	0555156	1/2	098268432817	25	25	280.00

LEAD FREE\*



LF745

### Series LF745

#### 45° Wye Type with Hand Removable Clean-Out Plug - 250 WOG

Model	Ordering Code	Size	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF745	0555155	3/4	098268432800	12	2.8	481.50

LEAD FREE\*

### Series LF17

#### Union End In-line Strainer - 250 WOG

Model	Ordering Code	Size	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF17	0125079	3/4	098268847987	12	20	485.50
LF17	0125080	1	098268847994	12	20	536.00

LEAD FREE\*



P777-100

## Plastic Strainers

### Series P777

#### Wye Type

Model	Ordering Code	Size	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
P777-100	0384765	1/4	098268235272	50	5.0	29.75
P777-100	0384766	3/8	098268235289	50	4.0	29.75

7

Strainers

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Strainers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Carbon Steel Strainers

### Series 88CSI

#### Threaded Connections - Class 600 - with Tapped Closure Plug - 600 WSP/1480 WOG



88CSI-T

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
88CSI-T	0823000	1/2	098268874457	1	1.6	\$ 613.50
88CSI-T	0823001	3/4	098268879377	1	2.6	793.00
88CSI-T	0823002	1	098268879384	1	4.6	1,119.00
88CSI-T	0823004	1 1/2	098268879407	1	2.9	1,826.00
88CSI-T	0823005	2	098268879414	1	14	2,545.00

#### Socket Weld Connections - Class 600 - with Tapped Closure Plug - 600 WSP/1480 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
88CSI-SW	0823008	1/2	098268879421	1	1.6	613.50
88CSI-SW	0823009	3/4	098268879438	1	0.8	793.00
88CSI-SW	0823010	1	098268879445	1	1.5	1,119.00
88CSI-SW	0823011	1 1/4	098268879452	1	2.0	1,341.00
88CSI-SW	0823012	1 1/2	098268879469	1	9.4	1,826.00
88CSI-SW	0823013	2	098268879476	1	4.2	2,545.00

### Series 77F

#### Flanged Connections - Class 150 - with Tapped Closure Plug - 150 WSP/285 WOG



77F-CSI

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
77F-CSI	0823016	1/2	098268879483	1	6.0	1,533.00
77F-CSI	0823017	3/4	098268879490	1	7.0	2,015.00
77F-CSI	0823018	1	098268879506	1	9.0	2,709.00
77F-CSI	0823019	1 1/2	098268879513	1	12	3,468.00
77F-CSI	0823020	2	098268879520	1	20	3,536.00
77F-CSI	0823021	2 1/2	098268879537	1	36	4,662.00
77F-CSI	0823022	3	098268879544	1	36	5,123.00
77F-CSI	0823023	4	098268879551	1	75	8,385.00
77F-CSI	0823024	5	098268879568	1	160	15,015.00
77F-CSI	0823025	6	098268879575	1	210	25,417.00

## Stainless Steel Strainers

### Series 87SI

#### Threaded Connections - Class 300 - with Tapped Closure Plug - 300 WSP/720 WOG



87SI

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
87SI-T	0823073	1/2	098268881110	1	0.8	806.00
87SI-T	0823074	3/4	098268881127	1	1.1	995.50
87SI-T	0823075	1	098268881134	1	2.0	1,400.00
87SI-T	0823076	1 1/4	098268881141	1	2.3	1,691.00
87SI-T	0823077	1 1/2	098268881158	1	3.0	2,331.00
87SI-T	0823078	2	098268881165	1	4.7	2,987.00
87SI-T	0823079	2 1/2	098268881172	1	13	4,836.00
87SI-T	0823080	3	098268881189	1	15	7,619.00

#### Socket Weld Connections - Class 300 - with Tapped Closure Plug - 300 WSP/720 WOG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
87SI-SW	0823082	3/4	098268881202	1	0.8	995.50
87SI-SW	0823083	1	098268881219	1	1.5	1,400.00
87SI-SW	0823084	1 1/4	098268881226	1	2.0	1,691.00
87SI-SW	0823085	1 1/2	098268881233	1	2.8	2,331.00
87SI-SW	0823086	2	098268881240	1	4.2	2,987.00
87SI-SW	0823087	2 1/2	098268881257	1	13	4,836.00
87SI-SW	0823088	3	098268881264	1	15	7,619.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Strainers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Stainless Steel Strainers - (cont.)

### Series 88S

#### Wye Type - Threaded Connections - ANSI 600 - with Tapped Closure Plug - 600 WSP/1440 WOG



88S

88S	0701000	1/4	098268088373	12	13	\$ 1,489.00
88S	0701002	3/8	098268088380	12	22	1,489.00
88S	0701004	1/2	098268088403	12	41	1,556.00
88S	0701006	3/4	098268088427	12	31	1,958.00
88S	0701008	1	098268088441	6	25	2,343.00
88S	0701010	1 1/4	098268088465	4	27	3,306.00
88S	0701012	1 1/2	098268088489	3	33	4,047.00
88S	0701014	2	098268088502	3	42	4,846.00

### Series 77

#### Flanged Connections, Class 150 - with Tapped Closure Plug - 150 WSP/275 WOG



77F-CSSI

77F-CSSI	0823090	3/4	098268881288	1	9.4	3,483.00
77F-CSSI	0823091	1	098268881295	1	9.0	3,597.00
77F-CSSI	0823092	1 1/2	098268881301	1	12	4,052.00
77F-CSSI	0823093	2	098268881318	1	21	5,695.00
77F-CSSI	0823094	2 1/2	098268881325	1	32	7,186.00
77F-CSSI	0823095	3	098268881332	1	36	7,471.00
77F-CSSI	0823096	4	098268881349	1	67	13,548.00

#### Flanged Connections - ANSI 125 Flanged Ends - 200 WOG



77F-SS

77F-SS	0821110	2 1/2	098268802160	1	21	1,021.00
77F-SS	0821111	3	098268802177	1	24	1,164.00
77F-SS	0821112	4	098268802184	1	37	1,367.00
77F-SS	0821114	6	098268802207	1	58	2,758.00
77F-SS	0821115	8	098268802221	1	90	5,873.00
77F-SS	0821116	10	098268802238	1	140	6,942.00
77F-SS	0821117	12	098268802245	1	230	24,401.00

#### Grooved Connections - ANSI 125 Grooved Ends - 200 WOG



77G-SS

77G-SS	0821160	2 1/2	098268264920	1	10	1,096.00
77G-SS	0821161	3	098268264937	1	12	1,339.00
77G-SS	0821162	4	098268264944	1	21	1,450.00
77G-SS	0821164	6	098268264968	1	37	1,821.00
77G-SS	0821165	8	098268264975	1	60	2,989.00
77G-SS	0821166	10	098268264982	1	71	15,975.00
77G-SS	0821167	12	098268264999	1	119	23,152.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Basket Strainers

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Cast Iron Simplex Basket Strainers

### Series 97FB

#### Flanged Connections - Class 125 - Bolted Cover - 125 WSP/200 WOG



97FB-CIB

LEAD FREE\*

97FB-CIB	0823054	2	098268880939	1	27	\$ 1,323.00
97FB-CIB	0823055	2 1/2	098268880946	1	37	1,763.00
97FB-CIB	0823056	3	098268880953	1	52	1,932.00
97FB-CIB	0823057	4	098268880960	1	70	2,547.00
97FB-CIB	0823058	5	098268880977	1	90	3,791.00
97FB-CIB	0823059	6	098268880984	1	124	5,164.00
97FB-CIB	0823060	8	098268880991	1	270	8,732.00
97FB-CIB	0823061	10	098268881004	1	385	10,428.00
97FB-CIB	0823062	12	098268881011	1	670	14,900.00

## Cast 316SS Simplex Basket Strainers

#### Flanged Connections - Class 150 - Bolted Screen Retainer Cover - 275 WOG



97FB-FSFE

LEAD FREE\*

97FB-CSSIB	0823235	2	098268894325	1	22	4,125.00
97FB-CSSIB	0823236	2 1/2	098268894332	1	31	6,725.00
97FB-CSSIB	0823237	3	098268894356	1	42	7,513.00
97FB-CSSIB	0823238	4	098268894363	1	70	13,140.00
97FB-CSSIB	0823239	6	098268894370	1	124	25,747.00

## UL/FM Basket Strainer

#### Flanged Connections - Class 150 - 175 WOG

LEAD FREE\*

97FB-FSFE	0823255	3	098268920550	1	130	4,165.00
97FB-FSFE	0823256	4	098268920567	1	120	4,984.00
97FB-FSFE	0823257	6	098268920574	1	300	12,564.00
97FB-FSFE	0823258	8	098268920581	1	560	16,634.00
97FB-FSFE	0823259	10	098268920598	1	570	21,800.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Flow Measurement Valves



CSM-61-M1

## Calibrated Flow Measuring and Balancing Valves - Series CSD

### Threaded Ends

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
iDROSET CSD-050	0856700	1/2	098268213829	1	2.6	\$305.50
iDROSET CSD-075	0856701	3/4	098268213850	1	2.5	304.00
iDROSET CSD-100	0856702	1	098268213867	1	2.4	294.50

## Flow Balancing Valves - Series CSM

### Threaded Ends

CSM-61-M1-T	0856736	1/2	098268631470	24	19	\$ 235.50
CSM-61-M1-T	0856738	3/4	098268631500	24	23	252.50
CSM-61-M1-T	0856740	1	098268631531	12	17	307.00
CSM-61-M1-T	0856742	1 1/4	098268631395	12	28	464.50
CSM-61-M1-T	0856744	1 1/2	098268631425	6	17	563.00
CSM-61-M1-T	0856746	2	098268631449	6	31	790.50
CSM-61-M1-T	0856734	2 1/2	098268782134	1	15	1,694.00
CSM-61-M1-T	0856729	3	098268782141	1	18	2,793.00
LFCSM-61-MI-S	0856809	1/2	098268017748	24	18	293.00
LFCSM-61-MI-S	0856810	3/4	098268463446	24	23	322.00
LFCSM-61-MI-S	0856811	1	098268463453	12	19	390.50
LFCSM-61-MI-S	0856812	1 1/4	098268463460	12	17	590.50
LFCSM-61-MI-S	0856813	1 1/2	098268463477	6	27	717.50
LFCSM-61-M1-S	0856814	2	098268463484	10	55	1,007.00

### Flanged Ends

CSM-81-F	0036540	2 1/2	098268832372	1	32	2,021.00
CSM-81-F	0036541	3	098268832389	1	42	2,752.00
CSM-81-F	0036535	4	098268410051	1	80	3,652.00
CSM-81-F	0036542	5	098268832396	1	120	7,258.00
CSM-81-F	0036543	6	098268832402	1	101	8,811.00
CSM-81-F	0036544	8	098268832419	1	173	20,709.00

### Grooved Connections

CSM-91	0036600	2 1/2	098268633689	1	25	1,274.00
CSM-91	0036601	3	098268633696	1	28	1,952.00
CSM-91	0036602	4	098268633702	1	39	2,695.00
CSM-91	0036604	6	098268633726	1	125	5,172.00
CSM-91	0036605	8	098268633733	1	315	16,197.00
CSM-91	0036606	10	098268633740	1	465	21,669.00

## Triple Duty Valves - Series TDV

### Grooved Connections

TDV	0036610	2 1/2	098268633764	1	26	1,519.00
TDV	0036611	3	098268633771	1	28	1,894.00
TDV	0036612	4	098268633788	1	45	2,946.00
TDV	0036613	5	098268633795	1	84	3,389.00
TDV	0036614	6	098268633801	1	125	4,918.00
TDV	0036615	8	098268633818	1	315	8,506.00
TDV	0036616	10	098268633825	1	465	13,568.00



iDROSET CSD



CSM-81-F



CSM-91



TDV

LEAD FREE\*



## Flow Measurement Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Flange Adapter Kit

#### Series CSM

##### ANSI 125 - For CSM-91 and TDV Valves

CSM-91 FLG ADPT	0036620	2 1/2	098268633849	1	12	\$ 136.50
CSM-91 FLG ADPT	0036621	3	098268633856	1	6.9	191.00
CSM-91 FLG ADPT	0036622	4	098268633863	1	10	252.00
CSM-91 FLG ADPT	0036623	5	098268633870	1	12	310.50
CSM-91 FLG ADPT	0036624	6	098268633887	1	12	428.50
CSM-91 FLG ADPT	0036625	8	098268633894	1	21	907.50
CSM-91 FLG ADPT	0036626	10	098268633900	1	17	1,062.00

Kit consists of two (2) flange halves and one gasket. One kit required for each valve end to be flanged.

### Insulation Wrap

#### for CSM-91-M1 Series

CSM-91-IK	0036630	2 1/2	098268633924	1	4.2	189.50
CSM-91-IK	0036631	3	098268633931	1	4.7	234.00

### Differential Pressure Gauge Kits

#### Series PG

##### for use with CSM's and FMO's

PG3-0-35-FT	0036516		098268394818	1	10	9,985.00
PG4-0-100IN	0036517		098268394825	1	12	9,985.00
PG5-0-200IN	0036518		098268394832	1	13	9,985.00
PG6-0-50IN	0036519		098268394849	1	12	9,985.00
PG8-0-135IN	0036520		098268394856	1	5.4	9,985.00



PG-8

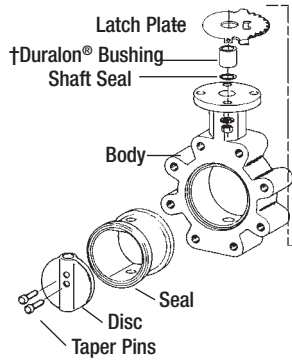
\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

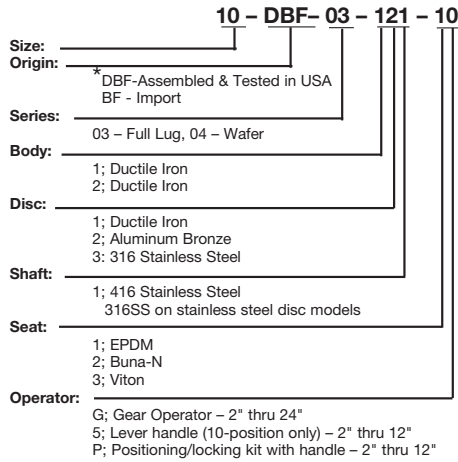


# Butterfly Valves

## How to Order Watts Butterfly Valves



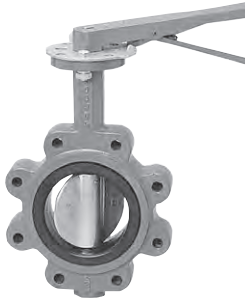
†Duralon® is a registered trademark of Rexnord Corp.



\*DBF: Manufactured using domestic and foreign components that have been assembled and tested in the U.S.A  
 BF: Import valve

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Butterfly Valves



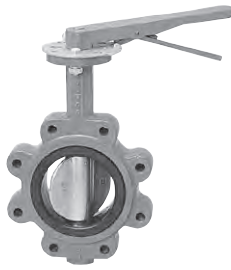
Model DBF-03  
Lug, Lever Handle

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
<b>Lug, Lever Handle</b>						
DBF-03-111-15 M2	0525100	2	098268593716	1	12	\$ 625.00
DBF-03-111-15 M2	0525118	2 1/2	098268593891	1	16	643.50
DBF-03-111-15 M2	0525136	3	098268594072	1	15	711.50
DBF-03-111-15 M2	0525154	4	098268594256	1	16	851.00
DBF-03-111-15 M2	0525173	5	098268594430	1	25	1,136.00
DBF-03-111-15 M2	0525191	6	098268594614	1	31	1,356.00
DBF-03-111-15 M2	0525210	8	098268594799	1	42	1,887.00
DBF-03-111-15 M2	0525228	10	098268594966	1	63	2,721.00
DBF-03-111-15 M2	0525258	12	098268595260	1	108	4,865.00
<b>LEAD FREE*</b>						
DBF-03-121-15 M2	0525102	2	098268593730	1	11	650.00
DBF-03-121-15 M2	0525120	2 1/2	098268593914	1	12	662.00
DBF-03-121-15 M2	0525138	3	098268594096	1	13	761.00
DBF-03-121-15 M2	0525157	4	098268594270	1	20	1,010.00
DBF-03-121-15 M2	0525175	5	098268594454	1	25	1,300.00
DBF-03-121-15 M2	0525193	6	098268594638	1	31	1,518.00
DBF-03-121-15 M2	0525212	8	098268594812	1	48	2,291.00
DBF-03-121-15 M2	0525260	12	098268595284	1	108	4,894.00
<b>LEAD FREE*</b>						
DBF-03-131-15 M2	0525104	2	098268593754	1	12	814.00
DBF-03-131-15 M2	0525122	2 1/2	098268593938	1	14	934.00
DBF-03-131-15 M2	0525140	3	098268594119	1	11	1,034.00
DBF-03-131-15 M2	0525159	4	098268594294	1	20	1,295.00
DBF-03-131-15 M2	0525177	5	098268594478	1	25	1,846.00
DBF-03-131-15 M2	0525195	6	098268594652	1	31	2,240.00
DBF-03-131-15 M2	0525214	8	098268594836	1	42	2,827.00
DBF-03-131-15 M2	0525232	10	098268595000	1	72	4,348.00
DBF-03-131-15 M2	0525262	12	098268595307	1	108	6,424.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Butterfly Valves



Model DBF-03  
Lug, Lever Handle

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Lug, Lever Handle (cont.)

LEAD FREE*	DBF-03-111-25 M2	0525101	2	098268593723	1	12	\$ 625.00
	DBF-03-111-25 M2	0525119	2 1/2	098268593907	1	16	643.50
	DBF-03-111-25 M2	0525137	3	098268594089	1	15	711.50
	DBF-03-111-25 M2	0525156	4	098268594263	1	24	851.00
	DBF-03-111-25 M2	0525174	5	098268594447	1	25	1,136.00
	DBF-03-111-25 M2	0525192	6	098268594621	1	31	1,356.00
	DBF-03-111-25 M2	0525211	8	098268594805	1	42	1,887.00
	DBF-03-111-25 M2	0525229	10	098268594973	1	72	2,721.00
	DBF-03-111-25 M2	0525259	12	098268595277	1	108	4,865.00
	LEAD FREE*	DBF-03-121-25 M2	0525103	2	098268593747	1	12
DBF-03-121-25 M2		0525121	2 1/2	098268593921	1	16	662.00
DBF-03-121-25 M2		0525139	3	098268594102	1	11	761.00
DBF-03-121-25 M2		0525158	4	098268594287	1	20	1,010.00
DBF-03-121-25 M2		0525176	5	098268594461	1	25	1,300.00
DBF-03-121-25 M2		0525194	6	098268594645	1	31	1,518.00
DBF-03-121-25 M2		0525213	8	098268594829	1	42	2,291.00
DBF-03-121-25 M2		0525231	10	098268594997	1	72	3,315.00
DBF-03-121-25 M2		0525261	12	098268595291	1	108	4,894.00
LEAD FREE*		DBF-03-131-25 M2	0525105	2	098268593761	1	12
	DBF-03-131-25 M2	0525123	2 1/2	098268593945	1	16	934.00
	DBF-03-131-25 M2	0525141	3	098268594126	1	7.0	1,034.00
	DBF-03-131-25 M2	0525160	4	098268594300	1	19	1,295.00
	DBF-03-131-25 M2	0525178	5	098268594485	1	25	1,846.00
	DBF-03-131-25 M2	0525196	6	098268594669	1	31	2,240.00
	DBF-03-131-25 M2	0525215	8	098268594843	1	42	2,827.00
	DBF-03-131-25 M2	0525233	10	098268595017	1	72	4,348.00
DBF-03-131-25 M2	0525263	12	098268595314	1	108	6,424.00	

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Butterfly Valves



Model DBF-03  
Lug, Gear Operator

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
<b>Lug, Gear Operator</b>						
DBF-03-111-1G M2	0525112	2	098268593839	1	27	\$ 988.00
DBF-03-111-1G M2	0525130	2 1/2	098268594010	1	31	1,036.00
DBF-03-111-1G M2	0525148	3	098268594195	1	30	1,036.00
DBF-03-111-1G M2	0525167	4	098268594379	1	30	1,169.00
DBF-03-111-1G M2	0525185	5	098268594553	1	47	1,358.00
DBF-03-111-1G M2	0525204	6	098268594737	1	53	1,581.00
DBF-03-111-1G M2	0525222	8	098268638363	1	75	2,056.00
DBF-03-111-1G M2	0525240	10	098268595086	1	105	2,688.00
DBF-03-111-1G M2	0525252	12	098268595208	1	141	4,326.00
DBF-03-121-1G M2	0525114	2	098268593853	1	27	995.50
DBF-03-121-1G M2	0525132	2 1/2	098268594034	1	22	1,013.00
DBF-03-121-1G M2	0525150	3	098268594218	1	22	1,049.00
DBF-03-121-1G M2	0525169	4	098268594393	1	30	1,229.00
DBF-03-121-1G M2	0525187	5	098268594577	1	47	1,435.00
DBF-03-121-1G M2	0525206	6	098268594751	1	41	1,901.00
DBF-03-121-1G M2	0525224	8	098268594928	1	63	2,291.00
DBF-03-121-1G M2	0525242	10	098268595109	1	105	3,259.00
DBF-03-121-1G M2	0525254	12	098268595222	1	141	4,667.00
DBF-03-111-2G M2	0525113	2	098268593846	1	27	988.00
DBF-03-111-2G M2	0525131	2 1/2	098268594027	1	31	1,036.00
DBF-03-111-2G M2	0525149	3	098268594201	1	30	1,036.00
DBF-03-111-2G M2	0525168	4	098268594386	1	42	1,169.00
DBF-03-111-2G M2	0525186	5	098268594560	1	47	1,358.00
DBF-03-111-2G M2	0525205	6	098268594744	1	53	1,581.00
DBF-03-111-2G M2	0525223	8	098268594911	1	75	2,056.00
DBF-03-111-2G M2	0525241	10	098268595093	1	105	2,688.00
DBF-03-111-2G M2	0525253	12	098268595215	1	141	4,326.00
DBF-03-121-2G M2	0525115	2	098268593860	1	27	995.50
DBF-03-121-2G M2	0525133	2 1/2	098268594041	1	31	1,013.00
DBF-03-121-2G M2	0525151	3	098268594225	1	30	1,049.00
DBF-03-121-2G M2	0525170	4	098268594409	1	42	1,229.00
DBF-03-121-2G M2	0525188	5	098268594584	1	47	1,435.00
DBF-03-121-2G M2	0525225	8	098268594935	1	75	2,291.00
DBF-03-121-2G M2	0525243	10	098268595116	1	105	3,259.00
DBF-03-121-2G M2	0525255	12	098268595239	1	141	4,667.00
DBF-03-131-1G M2	0525116	2	098268593877	1	27	1,082.00
DBF-03-131-1G M2	0525134	2 1/2	098268594058	1	15	1,179.00
DBF-03-131-1G M2	0525152	3	098268594232	1	30	1,252.00
DBF-03-131-1G M2	0525171	4	098268594416	1	42	1,454.00
DBF-03-131-1G M2	0525189	5	098268594591	1	47	1,877.00
DBF-03-131-1G M2	0525208	6	098268594775	1	53	2,184.00
DBF-03-131-1G M2	0525226	8	098268594942	1	75	2,634.00
DBF-03-131-1G M2	0525244	10	098268595123	1	105	3,911.00
DBF-03-131-1G M2	0525256	12	098268595246	1	141	5,760.00
DBF-03-131-2G M2	0525117	2	098268593884	1	27	1,082.00
DBF-03-131-2G M2	0525135	2 1/2	098268594065	1	31	1,179.00
DBF-03-131-2G M2	0525153	3	098268594249	1	30	1,252.00
DBF-03-131-2G M2	0525172	4	098268594423	1	42	1,454.00
DBF-03-131-2G M2	0525190	5	098268594607	1	47	1,877.00
DBF-03-131-2G M2	0525209	6	098268594782	1	53	2,184.00
DBF-03-131-2G M2	0525227	8	098268594959	1	75	2,634.00
DBF-03-131-2G M2	0525245	10	098268595130	1	105	3,911.00
DBF-03-131-2G M2	0525257	12	098268595253	1	141	5,760.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Butterfly Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Lug, Lever Handle

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
DBF-03-131-35 M2	0526000	2	098268639858	1	12	\$ 2,986.00
DBF-03-131-35 M2	0526009	2 1/2	098268639957	1	16	3,526.00
DBF-03-131-35 M2	0526018	3	098268640045	1	15	4,147.00
DBF-03-131-35 M2	0526027	4	098268640137	1	21	5,430.00
DBF-03-131-35 M2	0526036	5	098268640229	1	25	6,495.00
DBF-03-131-35 M2	0526045	6	098268640311	1	31	7,182.00
DBF-03-131-35 M2	0526054	8	098268640403	1	41	9,867.00
DBF-03-131-35 M2	0526063	10	098268640496	1	72	12,707.00
DBF-03-131-35 M2	0526072	12	098268640588	1	108	16,497.00

### Lug, Gear Operator

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
DBF-03-131-3G M2	0526006	2	098268639919	1	27	2,731.00
DBF-03-131-3G M2	0526015	2 1/2	098268640014	1	31	3,145.00
DBF-03-131-3G M2	0526024	3	098268640106	1	30	3,624.00
DBF-03-131-3G M2	0526033	4	098268640199	1	30	4,570.00
DBF-03-131-3G M2	0526042	5	098268640281	1	47	5,400.00
DBF-03-131-3G M2	0526051	6	098268640373	1	40	5,940.00
DBF-03-131-3G M2	0526060	8	098268640465	1	75	8,137.00
DBF-03-131-3G M2	0526069	10	098268640557	1	105	10,355.00
DBF-03-131-3G M2	0526078	12	098268640649	1	108	13,430.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Butterfly Valves



Model DBF-04  
Wafer, Lever Handle

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
<b>Wafer, Lever Handle</b>							
LEAD FREE*	DBF-04-111-15 M2	0525325	2	098268595321	1	10	\$ 541.00
	DBF-04-111-15 M2	0525343	2 1/2	098268595550	1	13	576.50
	DBF-04-111-15 M2	0525361	3	098268595734	1	11	619.50
	DBF-04-111-15 M2	0525379	4	098268595918	1	15	729.00
	DBF-04-111-15 M2	0525397	5	098268596090	1	25	874.50
	DBF-04-111-15 M2	0525415	6	098268596281	1	23	1,143.00
	DBF-04-111-15 M2	0525433	8	098268596465	1	35	1,570.00
	DBF-04-111-15 M2	0525451	10	098268596649	1	48	2,286.00
	DBF-04-111-15 M2	0525481	12	098268596823	1	88	3,894.00
LEAD FREE*	DBF-04-121-15 M2	0525327	2	098268595345	1	10	558.50
	DBF-04-121-15 M2	0525345	2 1/2	098268595574	1	11	597.00
	DBF-04-121-15 M2	0525363	3	098268595758	1	11	650.00
	DBF-04-121-15 M2	0525381	4	098268595932	1	15	802.50
	DBF-04-121-15 M2	0525399	5	098268596113	1	25	1,027.00
	DBF-04-121-15 M2	0525417	6	098268596304	1	23	1,252.00
	DBF-04-121-15 M2	0525435	8	098268596489	1	35	1,999.00
	DBF-04-121-15 M2	0525453	10	098268596663	1	48	3,131.00
	DBF-04-121-15 M2	0525483	12	098268596847	1	88	4,435.00
LEAD FREE*	DBF-04-131-15 M2	0525329	2	098268595369	1	10	735.00
	DBF-04-131-15 M2	0525347	2 1/2	098268595598	1	13	857.50
	DBF-04-131-15 M2	0525365	3	098268595772	1	12	949.00
	DBF-04-131-15 M2	0525383	4	098268595956	1	15	1,188.00
	DBF-04-131-15 M2	0525401	5	098268596144	1	25	1,570.00
	DBF-04-131-15 M2	0525419	6	098268596328	1	23	2,082.00
	DBF-04-131-15 M2	0525437	8	098268596502	1	31	2,609.00
	DBF-04-131-15 M2	0525455	10	098268694543	1	48	4,245.00
	DBF-04-131-15 M2	0525485	12	098268596861	1	88	6,290.00
LEAD FREE*	DBF-04-111-25 M2	0525326	2	098268595338	1	10	541.00
	DBF-04-111-25 M2	0525344	2 1/2	098268595567	1	13	576.50
	DBF-04-111-25 M2	0525362	3	098268595741	1	11	619.50
	DBF-04-111-25 M2	0525380	4	098268595925	1	15	729.00
	DBF-04-111-25 M2	0525398	5	098268596106	1	19	874.50
	DBF-04-111-25 M2	0525416	6	098268596298	1	23	1,143.00
	DBF-04-111-25 M2	0525434	8	098268596472	1	36	1,570.00
	DBF-04-111-25 M2	0525452	10	098268596656	1	48	2,286.00
	DBF-04-111-25 M2	0525482	12	098268596830	1	88	3,894.00
LEAD FREE*	DBF-04-121-25 M2	0525328	2	098268595352	1	10	558.50
	DBF-04-121-25 M2	0525346	2 1/2	098268595581	1	13	597.00
	DBF-04-121-25 M2	0525364	3	098268595765	1	7.9	650.00
	DBF-04-121-25 M2	0525382	4	098268595949	1	20	802.50
	DBF-04-121-25 M2	0525400	5	098268650457	1	25	1,027.00
	DBF-04-121-25 M2	0525418	6	098268596311	1	23	1,252.00
	DBF-04-121-25 M2	0525436	8	098268596496	1	19	1,999.00
	DBF-04-121-25 M2	0525454	10	098268596670	1	48	3,131.00
	DBF-04-121-25 M2	0525484	12	098268596854	1	88	4,435.00
LEAD FREE*	DBF-04-131-25 M2	0525330	2	098268595376	1	10	735.00
	DBF-04-131-25 M2	0525348	2 1/2	098268595604	1	13	857.50
	DBF-04-131-25 M2	0525384	4	098268595963	1	20	1,188.00
	DBF-04-131-25 M2	0525402	5	098268596151	1	25	1,570.00
	DBF-04-131-25 M2	0525420	6	098268596335	1	23	2,082.00
	DBF-04-131-25 M2	0525456	10	098268596694	1	48	4,245.00
DBF-04-131-25 M2	0525486	12	098268596878	1	88	6,290.00	

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Butterfly Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
<b>Wafer, Gear Operator</b>							
LEAD FREE*	DBF-04-111-1G M2	0525337	2	098268595499	1	25	\$ 870.50
	DBF-04-111-1G M2	0525355	2 1/2	098268595673	1	19	895.50
	DBF-04-111-1G M2	0525373	3	098268595857	1	29	931.00
	DBF-04-111-1G M2	0525391	4	098268596038	1	41	1,016.00
	DBF-04-111-1G M2	0525409	5	098268596229	1	46	1,196.00
	DBF-04-111-1G M2	0525427	6	098268596403	1	28	1,336.00
	DBF-04-111-1G M2	0525445	8	098268596588	1	64	1,687.00
	DBF-04-111-1G M2	0525463	10	098268596762	1	81	2,324.00
	DBF-04-111-1G M2	0525475	12	098268596946	1	121	3,808.00
LEAD FREE*	DBF-04-121-1G M2	0525339	2	098268595512	1	25	887.50
	DBF-04-121-1G M2	0525357	2 1/2	098268595697	1	28	915.00
	DBF-04-121-1G M2	0525375	3	098268595871	1	29	951.50
	DBF-04-121-1G M2	0525393	4	098268596052	1	41	1,074.00
	DBF-04-121-1G M2	0525411	5	098268596243	1	46	1,247.00
	DBF-04-121-1G M2	0525429	6	098268596427	1	45	1,582.00
	DBF-04-121-1G M2	0525447	8	098268596601	1	64	2,358.00
	DBF-04-121-1G M2	0525465	10	098268596786	1	81	2,972.00
	DBF-04-121-1G M2	0525477	12	098268596960	1	121	4,226.00
LEAD FREE*	DBF-04-131-1G M2	0525341	2	098268595536	1	25	1,020.00
	DBF-04-131-1G M2	0525359	2 1/2	098268595710	1	28	1,116.00
	DBF-04-131-1G M2	0525377	3	098268595895	1	29	1,185.00
	DBF-04-131-1G M2	0525395	4	098268596076	1	41	1,363.00
	DBF-04-131-1G M2	0525413	5	098268596267	1	46	1,666.00
	DBF-04-131-1G M2	0525431	6	098268596441	1	45	2,056.00
	DBF-04-131-1G M2	0525449	8	098268596625	1	52	2,481.00
	DBF-04-131-1G M2	0525467	10	098268596809	1	81	3,832.00
	DBF-04-131-1G M2	0525479	12	098268596984	1	121	5,653.00
LEAD FREE*	DBF-04-111-2G M2	0525338	2	098268595505	1	25	870.50
	DBF-04-111-2G M2	0525356	2 1/2	098268595680	1	28	895.50
	DBF-04-111-2G M2	0525374	3	098268595864	1	29	931.00
	DBF-04-111-2G M2	0525392	4	098268596045	1	41	1,016.00
	DBF-04-111-2G M2	0525410	5	098268596236	1	46	1,196.00
	DBF-04-111-2G M2	0525428	6	098268596410	1	45	1,336.00
	DBF-04-111-2G M2	0525446	8	098268596595	1	64	1,687.00
	DBF-04-111-2G M2	0525464	10	098268596779	1	81	2,324.00
	DBF-04-111-2G M2	0525476	12	098268596953	1	121	3,808.00
LEAD FREE*	DBF-04-121-2G M2	0525340	2	098268595529	1	25	887.50
	DBF-04-121-2G M2	0525358	2 1/2	098268595703	1	28	915.00
	DBF-04-121-2G M2	0525376	3	098268595888	1	29	951.50
	DBF-04-121-2G M2	0525394	4	098268596069	1	41	1,074.00
	DBF-04-121-2G M2	0525412	5	098268596250	1	46	1,247.00
	DBF-04-121-2G M2	0525430	6	098268596434	1	45	1,582.00
	DBF-04-121-2G M2	0525448	8	098268596618	1	64	2,358.00
	DBF-04-121-2G M2	0525466	10	098268596793	1	81	2,972.00
	DBF-04-121-2G M2	0525478	12	098268596977	1	121	4,226.00
LEAD FREE*	DBF-04-131-2G M2	0525342	2	098268595543	1	25	1,020.00
	DBF-04-131-2G M2	0525360	2 1/2	098268595727	1	28	1,116.00
	DBF-04-131-2G M2	0525378	3	098268595901	1	29	1,185.00
	DBF-04-131-2G M2	0525396	4	098268596083	1	42	1,363.00
	DBF-04-131-2G M2	0525414	5	098268596274	1	46	1,666.00
	DBF-04-131-2G M2	0525432	6	098268596458	1	45	2,056.00
	DBF-04-131-2G M2	0525450	8	098268596632	1	64	2,481.00
	DBF-04-131-2G M2	0525468	10	098268596816	1	81	3,832.00
	DBF-04-131-2G M2	0525480	12	098268596991	1	121	5,653.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Butterfly Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Wafer, Lever Handle

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
DBF-04-131-35 M2	0526128	2	098268640670	1	10	\$ 2,970.00
DBF-04-131-35 M2	0526137	2 1/2	098268640762	1	13	3,520.00
DBF-04-131-35 M2	0526146	3	098268640854	1	14	4,138.00
DBF-04-131-35 M2	0526155	4	098268640946	1	15	5,273.00
DBF-04-131-35 M2	0526164	5	098268641035	1	25	6,373.00
DBF-04-131-35 M2	0526173	6	098268641127	1	23	7,050.00
DBF-04-131-35 M2	0526182	8	098268641219	1	31	9,704.00
DBF-04-131-35 M2	0526191	10	098268641301	1	48	12,624.00
DBF-04-131-35 M2	0526200	12	098268641394	1	88	16,414.00

### Wafer, Gear Operator

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
DBF-04-131-3G M2	0526134	2	098268640731	1	25	2,734.00
DBF-04-131-3G M2	0526143	2 1/2	098268640823	1	28	3,152.00
DBF-04-131-3G M2	0526159	3	098268640984	1	41	3,633.00
DBF-04-131-3G M2	0526161	4	098268641004	1	41	4,526.00
DBF-04-131-3G M2	0526170	5	098268641097	1	46	5,316.00
DBF-04-131-3G M2	0526179	6	098268641189	1	45	5,849.00
DBF-04-131-3G M2	0526188	8	098268641271	1	64	7,984.00
DBF-04-131-3G M2	0526197	10	098268641363	1	81	10,304.00
DBF-04-131-3G M2	0526206	12	098268641455	1	121	13,375.00

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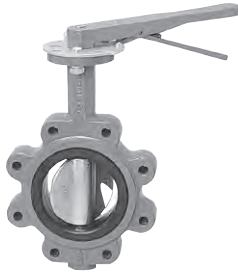
Butterfly Valves

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



# Butterfly Valves



Model BF-03  
Lug, Lever Handle

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
<b>Lug, Lever Handle</b>							
LEAD FREE*	BF-03-111-15 M2	0525547	2	098268603507	1	10	\$ 320.00
	BF-03-111-15 M2	0525565	2 1/2	098268603682	1	12	335.50
	BF-03-111-15 M2	0525583	3	098268603859	1	12	364.50
	BF-03-111-15 M2	0525601	4	098268604030	1	26	415.00
	BF-03-111-15 M2	0525619	5	098268604207	1	27	551.00
	BF-03-111-15 M2	0525637	6	098268604382	1	30	650.00
	BF-03-111-15 M2	0525655	8	098268604566	1	68	875.50
	BF-03-111-15 M2	0525673	10	098268604740	1	68	1,228.00
	BF-03-111-15 M2	0525691	12	098268604924	1	106	1,968.00
	LEAD FREE*	BF-03-121-15 M2	0525549	2	098268603521	1	10
BF-03-121-15 M2		0525567	2 1/2	098268603705	1	12	509.50
BF-03-121-15 M2		0525585	3	098268605297	1	12	534.00
BF-03-121-15 M2		0525603	4	098268604054	1	17	703.00
BF-03-121-15 M2		0525621	5	098268604221	1	26	582.00
BF-03-121-15 M2		0525639	6	098268604405	1	28	714.00
BF-03-121-15 M2		0525657	8	098268604580	1	44	986.50
BF-03-121-15 M2		0525675	10	098268604764	1	69	1,539.00
BF-03-121-15 M2		0525693	12	098268604948	1	145	2,176.00
LEAD FREE*	BF-03-131-15 M2	0525551	2	098268603545	1	11	409.00
	BF-03-131-15 M2	0525569	2 1/2	098268603729	1	16	464.50
	BF-03-131-15 M2	0525587	3	098268603897	1	18	506.00
	BF-03-131-15 M2	0525605	4	098268604078	1	26	620.00
	BF-03-131-15 M2	0525623	5	098268604245	1	26	859.50
	BF-03-131-15 M2	0525641	6	098268604429	1	39	1,031.00
	BF-03-131-15 M2	0525659	8	098268604603	1	48	1,288.00
	BF-03-131-15 M2	0525677	10	098268604788	1	94	1,934.00
	BF-03-131-15 M2	0525695	12	098268604962	1	115	2,833.00
LEAD FREE*	BF-03-111-25 M2	0525548	2	098268603514	1	12	320.00
	BF-03-111-25 M2	0525566	2 1/2	098268603699	1	14	335.50
	BF-03-111-25 M2	0525584	3	098268603866	1	18	364.50
	BF-03-111-25 M2	0525602	4	098268604047	1	26	415.00
	BF-03-111-25 M2	0525638	6	098268604399	1	30	650.00
	BF-03-111-25 M2	0525656	8	098268604573	1	46	875.50
	BF-03-111-25 M2	0525674	10	098268604757	1	94	1,228.00
	BF-03-111-25 M2	0525692	12	098268604931	1	108	1,968.00
LEAD FREE*	BF-03-121-25 M2	0525550	2	098268603538	1	11	337.00
	BF-03-121-25 M2	0525568	2 1/2	098268603712	1	14	342.00
	BF-03-121-25 M2	0525586	3	098268603880	1	12	366.00
	BF-03-121-25 M2	0525604	4	098268604061	1	20	467.00
	BF-03-121-25 M2	0525640	6	098268604412	1	27	714.00
	BF-03-121-25 M2	0525658	8	098268604597	1	68	986.50
	BF-03-121-25 M2	0525694	12	098268604955	1	108	2,176.00
LEAD FREE*	BF-03-131-25 M2	0525552	2	098268603552	1	14	409.00
	BF-03-131-25 M2	0525588	3	098268603903	1	14	506.00
	BF-03-131-25 M2	0525606	4	098268604085	1	26	620.00
	BF-03-131-25 M2	0525624	5	098268604252	1	25	859.50
	BF-03-131-25 M2	0525642	6	098268604436	1	31	1,031.00
	BF-03-131-25 M2	0525660	8	098268604610	1	42	1,288.00
	BF-03-131-25 M2	0525678	10	098268604795	1	72	1,934.00
BF-03-131-25 M2	0525696	12	098268604979	1	108	2,833.00	

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Butterfly Valves



Model BF-03  
Lug, Gear Operator

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Lug, Gear Operator

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
BF-03-111-1G M2	0525577	2 1/2	098268605303	1	31	\$ 668.50
BF-03-111-1G M2	0525595	3	098268603972	1	30	684.50
BF-03-111-1G M2	0525613	4	098268604153	1	42	770.00
BF-03-111-1G M2	0525631	5	098268604320	1	47	898.50
BF-03-111-1G M2	0525649	6	098268604504	1	40	1,043.00
BF-03-111-1G M2	0525667	8	098268604689	1	75	1,356.00
BF-03-111-1G M2	0525685	10	098268604863	1	61	1,774.00
BF-03-111-1G M2	0525703	12	098268605044	1	141	2,734.00
BF-03-121-1G M2	0525541	2	098268603644	1	27	348.50
BF-03-121-1G M2	0525579	2 1/2	098268603811	1	31	668.50
BF-03-121-1G M2	0525597	3	098268603996	1	30	695.50
BF-03-121-1G M2	0525615	4	098268604177	1	30	810.00
BF-03-121-1G M2	0525633	5	098268604344	1	47	947.00
BF-03-121-1G M2	0525651	6	098268604528	1	39	996.50
BF-03-121-1G M2	0525669	8	098268604702	1	56	2,209.00
BF-03-121-1G M2	0525687	10	098268604887	1	84	3,147.00
BF-03-121-1G M2	0525705	12	098268605068	1	102	4,510.00
BF-03-121-1G M2	0525717	14	098268605372	1	345	4,114.00
BF-03-121-1G M2	0525729	16	098268605495	1	271	7,243.00
BF-03-121-1G M2	0525741	18	098268605617	1	295	8,934.00
BF-03-121-1G M2	0525753	20	098268605730	1	407	11,273.00
BF-03-121-1G M2	0525765	24	098268605907	1	646	20,223.00
BF-03-131-1G M2	0525563	2	098268603668	1	27	749.50
BF-03-131-1G M2	0525581	2 1/2	098268603835	1	31	808.00
BF-03-131-1G M2	0525599	3	098268604016	1	30	859.50
BF-03-131-1G M2	0525617	4	098268604191	1	42	990.00
BF-03-131-1G M2	0525635	5	098268604368	1	47	1,271.00
BF-03-131-1G M2	0525653	6	098268604542	1	39	1,472.00
BF-03-131-1G M2	0525671	8	098268604726	1	66	1,787.00
BF-03-131-1G M2	0525689	10	098268604900	1	92	2,622.00
BF-03-131-1G M2	0525707	12	098268605082	1	141	3,858.00

# Butterfly Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Wafer, Lever Handle



Model BF-04-M2  
Wafer, Lever Handle

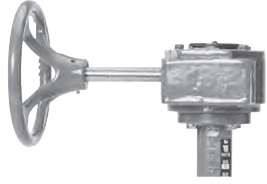
Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)	
LEAD FREE*	BF-04-111-15 M2	0525769	2	098268605945	1	8.9	\$ 290.00
	BF-04-111-15 M2	0525789	2 1/2	098268606126	1	13	310.50
	BF-04-111-15 M2	0525807	3	098268606300	1	14	326.00
	BF-04-111-15 M2	0525825	4	098268606485	1	14	372.50
	BF-04-111-15 M2	0525843	5	098268606669	1	6.3	435.00
	BF-04-111-15 M2	0525861	6	098268606843	1	21	553.50
	BF-04-111-15 M2	0525879	8	098268607024	1	53	775.50
	BF-04-111-15 M2	0525897	10	098268607208	1	53	1,051.00
	BF-04-111-15 M2	0525915	12	098268607383	1	62	1,755.00
LEAD FREE*	BF-04-121-15 M2	0525771	2	098268605969	1	12	299.00
	BF-04-121-15 M2	0525791	2 1/2	098268606140	1	10	317.50
	BF-04-121-15 M2	0525809	3	098268606324	1	14	337.00
	BF-04-121-15 M2	0525827	4	098268606508	1	19	404.00
	BF-04-121-15 M2	0525845	5	098268606683	1	18	503.00
	BF-04-121-15 M2	0525863	6	098268606867	1	31	601.00
	BF-04-121-15 M2	0525881	8	098268607048	1	53	925.50
	BF-04-121-15 M2	0525899	10	098268607222	1	47	1,417.00
	BF-04-121-15 M2	0525917	12	098268607406	1	115	1,992.00
LEAD FREE*	BF-04-131-15 M2	0525773	2	098268605983	1	4.5	375.50
	BF-04-131-15 M2	0525793	2 1/2	098268606164	1	11	428.00
	BF-04-131-15 M2	0525811	3	098268606348	1	10	468.00
	BF-04-131-15 M2	0525829	4	098268606522	1	14	570.50
	BF-04-131-15 M2	0525847	5	098268606706	1	30	741.50
	BF-04-131-15 M2	0525865	6	098268606881	1	22	958.00
	BF-04-131-15 M2	0525883	8	098268607062	1	32	1,191.00
	BF-04-131-15 M2	0525901	10	098268607246	1	76	1,911.00
	BF-04-131-15 M2	0525919	12	098268607420	1	115	2,804.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

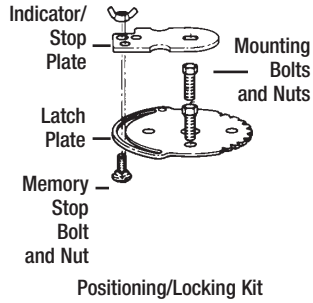
## Butterfly Valves Options

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Gear Operators for Butterfly Valves

GO-1-M4	0812200	2, 2 1/2, 3	098268443608	1	20	\$ 597.50
GO-2-M4	0812201	4	098268443615	1	20	619.50
GO-3-M4	0812202	5-6	098268443622	1	20	632.50
GO-4-M4	0812203	8	098268443639	1	29	649.00
GO-5-M4	0812204	10	098268443646	1	29	687.50
GO-6-M4	0812205	12-14	098268443653	1	40	1,069.00
GO-7-M4	0812206	16	098268443660	1	58	1,966.00
GO-8-M4	0812207	18	098268443677	1	105	2,143.00
GO-9-M4	0812208	20	098268443684	1	105	2,331.00
GO-10-M4	0812209	24	098268443691	1	105	2,393.00



### Positioning/ Locking Kits

#1 POS-LOCK-M2	0530405	2	098268639407	1	1.6	57.00
#1 POS-LOCK-M2	0530405	2 1/2	098268639407	1	1.6	57.00
#1 POS-LOCK-M2	0530405	3	098268639407	1	1.6	57.00
#2 POS-LOCK-M2	0530406	4	098268639414	1	1.8	64.75
#3 POS-LOCK-M2	0530407	5	098268639421	1	3.0	70.25
#3 POS-LOCK-M2	0530407	6	098268639421	1	3.0	70.25

### Chain Wheel Kits Less Chain

#2 BCWK	0523042	2	098268239720	1	13	425.00
#2 BCWK	0523042	2 1/2	098268239720	1	13	425.00
#2 BCWK	0523042	3	098268239720	1	13	425.00
#2 BCWK	0523042	4	098268239720	1	13	425.00
#2 BCWK	0523042	5	098268239720	1	13	425.00
#2 BCWK	0523042	6	098268239720	1	13	425.00
#3 BCWK	0523046	8	098268239713	1	19	793.00
#3 BCWK	0523046	10	098268239713	1	19	793.00
#3 BCWK	0523046	12	098268239713	1	19	793.00
#3 BCWK	0523046	14	098268239713	1	19	793.00
#4 BCWK	0523047	16	098268863062	1	13	1,785.00
#4 BCWK	0523047	18	098268863062	1	13	1,785.00
#4 BCWK	0523047	20	098268863062	1	13	1,785.00
#5 BCWK	0523048	24	098268863055	1	12	3,278.00

### Chain Wheel Chains

# 2 BCWC	0523065	2	098268892215	1	1.0	10.00
# 2 BCWC	0523065	2 1/2	098268892215	1	1.0	10.00
# 2 BCWC	0523065	3	098268892215	1	1.0	10.00
# 2 BCWC	0523065	4	098268892215	1	1.0	10.00
# 2 BCWC	0523065	5	098268892215	1	1.0	10.00
# 2 BCWC	0523065	6	098268892215	1	1.0	10.00
# 3 BCWC	0523066	8	098268892222	1	1.0	20.50
# 3 BCWC	0523066	10	098268892222	1	1.0	20.50
# 3 BCWC	0523066	12	098268892222	1	1.0	20.50
# 3 BCWC	0523066	14	098268892222	1	1.0	20.50
# 3 BCWC	0523066	16	098268892222	1	1.0	20.50
# 3 BCWC	0523066	18	098268892222	1	1.0	20.50
# 3 BCWC	0523066	20	098268892222	1	1.0	20.50
# 5 BCWC	0523067	24	098268892239	1	1.0	14.50

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Butterfly Valve Options

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
<b>Handle Kits</b>						
HK-2000-M2	0523003	2, 2 1/2, 3	098268639469	1	3.4	\$ 119.00
HK-2000-M2	0523004	4	098268639476	1	4.0	125.00
HK-2000-M2	0523005	5-6	098268639483	1	3.5	144.50
HK-2000-M2	0523006	8	098268639490	1	6.6	147.50
HK-2000-M2	0523007	10	098268639506	1	7.2	158.00
<b>Gear Operator 2 Sq. Nut**</b>						
OPN-BFG	0530453	5-6	098268856101	1	4.0	49.25
OPN-BFG	0530453	8	098268856101	1	4.0	49.25
OPN-BFG	0530453	10	098268856101	1	4.0	49.25

\*\*2 sq. nut attaches to gear operator shaft (remove hand wheel) and gear shaft positioned vertically to operate valve.

## Hydronics/Steam Heating Products

Model	Ordering Code	Connection	Size (in.)	Body	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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1156F

### Series 1156

#### Highest Purging Capacity Feed Water Pressure Regulators

T1156F	0386500	Threaded union	1/2	Iron	098268023169	12	25	\$ 167.00
S1156F	0386450	Union solder	1/2	Iron	098268023152	12	26	167.00
B1156F	0386423	Threaded	1/2	Bronze	098268023084	12	19	167.00
SB1156F	0386422	Union solder	1/2	Bronze	098268023077	12	19	190.00
TB1156F	0386421	Threaded union	1/2	Bronze	098268023060	12	19	190.00



1450F

### Series 1450

#### Dual Controls - Regulator and Relief Valve

1450F	0388798	Threaded	1/2	Iron	098268025545	10	32	333.50
T1450F	0388805	Threaded Union	1/2	Iron	098268025569	10	33	355.00
S1450F	0388800	Union Solder	1/2	Iron	098268025552	10	32	355.00



911

### Series 911

#### Combination B1156 Feedwater Regulator and 9D Backflow Preventer

B911-M3	0386463	Threaded Union	1/2	Bronze	098268918533	6	16	339.00
B911S-M3	†0386462	Union Solder	1/2	Bronze	098268918526	6	17	339.00

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Residential Boiler Fill Fitting

#### Series RBFF

RBFF	0386466	1/2	098268461596	20	33	\$ 178.50
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RBFF

### Series 2000

#### Iron Body Two-Way Universal Flow Checks

2000-M5	0856760	3/4	098268263848	12	43	135.50
2000-M5	0856761	1	098268263862	12	43	139.00
2000-M5	0856762	1 1/4	098268263886	6	33	182.50
2000-M5	0856769	1 1/2	098268300437	5	40	360.50
2000-M5	0856770	2	098268300444	3	38	443.00
2000-M5	0856771	2 1/2	098268300451	2	51	1,017.00
2000-M5	0856772	3	098268300468	2	48	1,105.00

#### Bronze Solder Flow Check - Straight Pattern

2000S-M5	0856763	3/4	098268263855	12	16	113.50
2000S-M5	0856764	1	098268263879	12	24	145.00



2000-M5

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Air Separators

#### Series AS

##### Cast Iron

AS-M1	0858535	1	098268215359	6	30	\$ 51.50
AS-M1	0858536	1 1/4	098268215366	6	28	52.75
AS-M1	0858537	1 1/2	098268872095	1	9	184.00
AS-M1	0858538	2	098268872101	1	8	210.00
AS-M1	0858539	2 1/2	098268872118	1	18	356.00
AS-M1	0858529	3	098268872125	1	15	511.50



AS-M1-T

##### Cast Iron with 1/2" Feed Water Tapping

AS-M1-T	0858557	1	098268039573	6	30	69.75
AS-M1-T	0858558	1 1/4	098268039580	6	30	73.00

#### AS-MB

##### Micro-Bubble Air Separator

AS-MB 75	0858546	3/4	098268476194	6	15	293.50
AS-MB 100	0858547	1	098268476224	6	16	342.50
AS-MB 125	0858548	1 1/4	098268476231	6	17	365.50
AS-MB 150	0858553	1 1/2	098268567854	6	18	659.00
AS-MB 200	0858554	2	098268476231	6	18	726.00
AS-MB FL	0858549	Flanged	098268567861	6	18	380.50
AS-MB-S-75	0858550	3/4	098268537314	6	15	282.50
AS-MB-S-100	0858551	1	098268537321	6	16	331.00
AS-MB-S-125	0858552	1 1/4	098268537352	6	17	355.00



AS-MB 75

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Hydronics Ball Valves

### Isolation Pump Valves

#### IPFM1 Series Available in Press, Threaded, Solder Connections

IPFM1-PRESS	0068087	3/4	098268141160	20	33	\$ 69.25
IPFM1-PRESS	0068088	1	098268141177	16	32	85.75
IPFM1-PRESS	0068089	1 1/4	098268141184	12	30	113.50
IPFM1-T	0068090	3/4	098268344325	20	36	69.25
IPFM1-T	0068091	1	098268344332	20	39	85.75
IPFM1-T	0068092	1 1/4	098268344349	20	48	113.50
IPFM1-T	0068093	1 1/2	098268344356	20	56	126.00
IPFM1-T	0068094	2	098268344363	10	28	219.50
IPFM1-S	0068095	3/4	098268344370	20	33	69.25
IPFM1-S	0068096	1	098268344387	20	38	85.75
IPFM1-S	0068097	1 1/4	098268344394	20	48	113.50
IPFM1-S	0068098	1 1/2	098268344301	20	58	126.00
IPFM1-S	0068099	2	098268344318	10	28	219.50

#### IPFX Series Available in Press, Threaded, Solder Connections with Swivel Flange

IPFX-PRESS	0069000	3/4	098268185843	16	25	64.75
IPFX-PRESS	0069001	1	098268185850	16	31	74.75
IPFX-PRESS	0069002	1 1/4	098268185904	12	28	93.75
IPFX-PRESS	0069003	1 1/2	098268185959	6	19	115.00
IPFX-PRESS	0069004	2	098268185966	6	28	157.50
IPFX-T	0069005	3/4	098268186024	16	26	59.00
IPFX-T	0069006	1	098268186031	16	33	71.25
IPFX-T	0069007	1 1/4	098268186048	12	31	84.25
IPFX-T	0069008	1 1/2	098268186055	6	19	100.00
IPFX-T	0069009	2	098268186062	6	27	218.50
IPFX-S	0069010	3/4	098268186079	16	25	59.00
IPFX-S	0069011	1	098268186086	16	31	71.25
IPFX-S	0069012	1 1/4	098268186093	12	29	84.25
IPFX-S	0069013	1 1/2	098268186116	6	18	100.00
IPFX-S	0069014	2	098268186123	6	27	165.50



IPFM1-Press



IPFX-T



## Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Hydronics Ball Valves

### Isolation Pump Valves (cont.)

#### PIPF Series Available in Press, Threaded, Solder Connections with Swivel Flange and Purge port



PIPF-M1



PIPF-M1-Press

PIPFM1-T	0067771	3/4	098268554755	18	39	\$ 121.50
PIPFM1-T	0067772	1	098268554762	12	30	143.50
PIPFM1-T	0067773	1 1/4	098268554779	9	27	168.50
PIPFM1-S	0067774	3/4	098268554786	18	38	121.50
PIPFM1-S	0067775	1	098268554793	12	29	143.50
PIPFM1-S	0067776	1 1/4	098268554809	9	26	168.50
PIPF-T	0067790	3/4	098268302141	24	50	85.75
PIPF-T	0067791	1	098268302165	18	45	104.50
PIPF-T	0067792	1 1/4	098268302172	12	36	137.50
PIPF-S	0067793	3/4	098268302189	24	48	85.75
PIPF-S	0067794	1	098268302196	18	41	104.50
PIPF-S	0067795	1 1/4	098268302202	12	33	137.50
PIPFM1-PRESS	0069015	3/4	098268186147	12	21	117.50
PIPFM1-PRESS	0069016	1	098268186208	12	25	134.00
PIPFM1-PRESS	0069017	1 1/4	098268186215	8	21	145.00
PIPFM1-PRESS	0069018	1 1/2	098268186222	8	27	157.50
PIPFM1-PRESS	0069019	2	098268186239	6	29	177.00
LFIPFM2-T-HV	0123023	2	098268650853	9	40	262.00
LFIPFM2-S-HV	0123028	2	098268650952	9	42	262.00
LFIPFM1-T-HV	0123029	3/4	098268651003	24	43	81.50
LFIPFM1-T-HV	0123030	1	098268651140	24	47	104.50
LFIPFM1-T-HV	0123031	1 1/4	098268651201	12	29	139.50
LFIPTM1-T-HV	0123032	1 1/2	098268651218	9	25	171.00
LFIPFM1-S-HV	0123034	3/4	098268651263	24	40	81.50
LFIPFM1-S-HV	0123035	1	098268651324	24	46	104.50
LFIPFM1-S-HV	0123036	1 1/4	098268652758	12	29	139.50
LFIPFM1-S-HV	0123037	1 1/2	098268652765	9	26	171.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Hydronics/Steam Heating Products

Model	Ordering Code	Connection Size (in.)	Volume (gals.)	Accept Volume (gals.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Expansion Tanks - For hot water heating systems

### Series ETX

#### Pipe Mount - Max. temp. 240°F - Max pressure 75psi, ETX-90 100psi

ETX-15	0066605	1/2 MNPT	2.1	1.0	098268219340	1	5.4	\$ 109.00
ETX-30	0066606	1/2 MNPT	4.5	2.5	098268219357	1	9.0	130.00
ETX-60	0066607	1/2 MNPT	6.0	3.0	098268219364	1	12	157.00
ETX-90	0066608	3/4 MNPT	15.0	6.0	098268219470	1	23	428.00



ETX



ETX

### Series ETSX

#### Free Standing - Max. temp. 240°F - Max pressure 100psi

ETSX-30	0066609	1 FNPT	15.0	6.0	098268219487	1	28	548.00
ETSX-40	0066610	1 FNPT	20.0	8.0	098268219494	1	34	583.00
ETSX-60	0066611	1 FNPT	33.0	13.3	098268219500	1	52	736.00
ETSX-90	0066612	1 1/4 FNPT	44.0	17.7	098268219562	1	66	1,337.00
ETSX-110	0066613	1 1/4 FNPT	62.0	24.9	098268219593	1	86	1,562.00
ETSX-160	0066614	1 1/4 FNPT	81.0	32.6	098268219609	1	102	1,670.00

### Series ETA

#### ASME Pressurized Expansion Tanks for Heating and Cooling Systems with Fixed Bladder

ETA-15	0212000	3/4	7.8	2.5	098268913224	1	44	1,781.00
ETA-20	0212001	3/4	10.9	2.5	098268913231	1	46	1,823.00
ETA-40	0212002	1	25	10	098268913248	1	82	2,817.00
ETA-60	0212003	1	35	10	098268913255	1	110	3,246.00
ETA-80	0212004	1	45	21	098268913262	1	148	4,190.00
ETA-100	0212005	1	60	21	098268913279	1	168	4,390.00
ETA-120	0212006	1 1/2	70	48	098268913286	1	225	5,408.00
ETA-144	0212007	1 1/2	80	48	098268913293	1	245	5,807.00
ETA-180	0212008	1 1/2	90	48	098268913309	1	283	6,669.00
ETA-200	0212009	1 1/2	115	48	098268913316	1	325	6,848.00
ETA-240	0212010	1 1/2	140	52	098268913323	1	362	7,963.00



ETA

### Series ETRA

#### ASME Pressurized Expansion Tanks for Heating and Cooling Systems with Removable Bladder

ETRA-35	0212011	3/4	10	-	098268913330	1	40	5,877.00
ETRA-50	0212012	3/4	13	-	098268913347	1	50	6,276.00
ETRA-85	0212013	1	23	-	098268913354	1	90	6,438.00
ETRA-130	0212014	1	35	-	098268913361	1	125	6,848.00
ETRA-200	0212015	1 1/2	53	-	098268913378	1	209	7,922.00
ETRA-300	0212016	1 1/2	79	-	098268913385	1	225	8,687.00
ETRA-400	0212017	1 1/2	105	-	098268913392	1	300	8,867.00
ETRA-500	0212018	1 1/2	132	-	098268913408	1	335	9,354.00
ETRA-600	0212019	1 1/2	158	-	098268913415	1	360	13,790.00
ETRA-800	0212020	1 1/2	211	-	098268913422	1	475	15,239.00
ETRA-1000	0212021	1 1/2	264	-	098268913439	1	710	18,689.00
ETRA-1200	0212022	1 1/2	317	-	098268913446	1	720	19,545.00
ETRA-1400	0212023	1 1/2	370	-	098268913453	1	875	21,268.00
ETRA-1600	0212024	1 1/2	422	-	098268913460	1	1100	29,275.00
ETRA-2000	0212025	1 1/2	528	-	098268913477	1	1280	32,126.00



ETRA

Expansion Tank Package: Contains one ET, one AS and one FV-4M1

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Hydronics/Steam Heating Products



ETX-15-ASF

Model	Ordering Code	Connection Size (in.)	Volume (gals.)	Accept Volume (gals.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series ETX

#### With 1" Air Separator

ETX-15-ASF	0235086	1	2.1	1.0	098268340181	1	16	\$ 265.00
ETX-30-ASF	0235087	1	4.5	2.5	098268340198	1	16	289.50
ETX-60-ASF	0235088	1	6.0	3.0	098268340204	1	19	312.50

#### With 1 1/4" Air Separator

ETX-15-ASF	0235089	1 1/4	2.1	1.0	098268340211	1	16	265.00
ETX-30-ASF	0235090	1 1/4	4.5	2.5	098268340228	1	16	284.50
ETX-60-ASF	0235091	1 1/4	6.0	3.0	098268339796	1	19	312.50

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Boiler Trim Out Packages

#### Series HP

##### Includes FV-4M1, SCV (1/8" & 1/2"), AS, ET-30 and 911S

HPX-C	0235070	1	098268340044	1	19	\$ 495.50
HPX-D	0235071	1 1/4	098268340051	1	19	495.50

##### Includes (1/8") FV-4M1, SCV (1/8" & 1/2"), AS, ET-15 and 911S

HPX-15C	0235072	1	098268340068	1	19	471.50
HPX-15D	0235073	1 1/4	098268340075	1	19	471.50

##### Includes Float Vent, SCV (1/8" & 1/2"), AS, ET-15 and Bronze Fill Valve

HPX-15BD	0235077	1 1/4	098268340112	1	18	495.50
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##### Includes (1/8") DuoVent, SCV (1/8" & 1/2"), AS-M1, ETX-60 and B911S

HPX-60D-B	0235092	1 1/4	098268373516	1	23.5	566.00
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##### Includes (1/8") DuoVent, (1/8") SCV, AS-M1, RBFF, ETX-30 and B911S

HPX-30BC-PRO	0235068	1	098268464788	1	19	614.00
HPX-30BD-PRO	0235069	1 1/4	098268464795	1	19	614.00

##### Boiler Header Module includes AS-MB-FL, RBFF and PIPF-T

HP-BHM-75	0235093	3/4	098268524277	1	7.5	521.00
HP-BHM-100	0235094	1	098268524284	1	8.0	541.50
HP-BHM-125	0235095	1 1/4	098268524291	1	8.5	561.50

##### HP-30Pro P's includes AS-MB-FL, RBFF, PIPF-T, B911S M3, ETX-30

HP-30PRO-P100	0235098	1	098268524321	1	19	811.00
HP-30PRO-P125	0235099	1 1/4	098268524338	1	20	831.50

##### HP-30Pro includes AS-MB, RBFF, B911S, ETX-30

HP-30PRO-100	0235096	1	098268524307	1	16	649.00
HP-30PRO-125	0235097	1 1/4	098268524314	1	17	663.50
HP-30PRO-100S	0235101	1	098268573473	1	16.0	523.00
HP-30PRO-125S	0235102	1 1/4	098268573466	1	17.0	534.00



HP-BHM-75



HP-30PRO-P100

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Service Check Valves

### Series SCV

SCV	0376458	1/2	098268472080	50	7.7	\$ 30.25
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## Residential Purge and Balancing Valve

### Series RPV-M1

RPVM1-S	0207532	3/4	098268502107	24	26	102.50
RPVM1-S	0207533	1	098268502114	18	28	176.00
RPVM1-S	0207534	1 1/2	098268502121	12	24	202.00
RPVM1-ST	0207535	3/4	098268572216	24	26	89.25
RPVM1-ST	0207536	1	098268572223	18	29	150.00
RBFF	0386466	1/2	098268461596	20	33	178.50
RPVM1-S	0952650	3/4	098268940817	12	13	130.50
RPVM1-Press	88009100	1/2	098268195590	16	13	28.75
RPVM1-Press	88009101	3/4	098268195606	16	16	33.25
RPVM1-Press	88009102	1	098268195651	16	23	71.00
RPVM1-Press	88009103	1 1/4	098268195675	8	17	85.00
RPVM1-Press	88009104	1 1/2	098268195712	8	23	99.00
RPVM1-Press	88009105	2	098268195736	3	14	118.00



## Multi-Orifice Flow Control

### Series LFP3

#### For Tankless Heaters

LEAD FREE*	LFP3	0008499	1/2	098268739442	50	22	130.50
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## Duovent Automatic Air Vent With Inline High Capacity Manual Vent

### For Automatic Air Venting - Max. Temperature 240°F - Max. Pressure 150psi

DuoVent	0590719	1/8	098268861884	144	60	35.25
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## Automatic Air Vent

### Series FV

#### For Automatic Air Venting, Max. Temperature 240°F - Max. Pressure 150psi

FV-4M1	0590715	1/8	098268373622	144	50	32.25
FV-4M1	0590716	1/4	098268373615	144	58	35.25
FV-4M1	0590722	1/2	098268066708	120	84	46.00
FV-4M1	0590723	3/4	098268066715	120	58	49.75
FV-4M1	0590721	1	098268066692	120	84	54.50

DuoVent



FV-4M1

## Automatic Air Vent With Manual Override

### Series HAV

#### Max. Pressure 125psi - Max. Temperature 240°F - Steam Rating 10psi

HAV	0590712	1/8	098268106527	400	20	21.50
HAV	0590713	1/4	098268106534	400	8.0	22.00



HAV

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

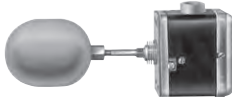
## Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series SAN89S and N50S, and SAN50S

#### Low Water Cut-Offs - Single Switch Assembly - Single Pole, Single Throw Switch

SAN89S	0226080	15	098268012217	6	10	\$ 1,124.00
N50S	0183801	50	098268010053	4	26	1,279.00
SAN50S	0183821	50	098268010077	6	10	1,272.00



SAN50D

**Dual Switch Assembly for independent line voltage and low (or high) voltage alarm, feed valve or pump starter service. Switch actuates just before the burner switch cuts the firing.**

SAN89D	0226060	15	098268012200	6	10	1,155.00
N50D	0182405	50	098268010022	4	25	1,285.00
SAN50D	0182421	50	098268010039	6	12	989.00

### Series 142 and 144

#### Process Boiler Water Feeders

142	0267687	100	098268012583	4	53	1,765.00
142S	0268499	100	098268012613	4	57	1,805.00
144	0268905	100	098268012637	4	54	1,833.00
144S	0269311	100	098268012668	4	56	2,062.00



142

### Flow Switch

#### Series FS-200-W

##### Liquid - General Purpose - Flow Switch NEMA 1

FS-200-W	00063067	1	098268964493	16	28	551.00
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##### Liquid - Wet - Flow Switch NEMA 4

FS-204-W	00067101	1	098268968149	16	34	909.50
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FS-200-W

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Float & Thermostatic Steam Traps Series WFT



WFT

WFT-15	0037100	3/4	098268478488	4	51	\$ 359.00
WFT-15	0037105	1	098268478495	4	51	402.50
WFT-15	0037106	1 1/4	098268502534	4	56	414.00
WFT-15	0037107	1 1/2	098268502558	1	23	635.00
WFT-15	0037108	2	098268502565	1	28	1,219.00
WFT-30	0037109	3/4	098268502572	4	12	399.50
WFT-30	0037110	1	098268502589	4	11	451.50
WFT-30	0037111	1 1/4	098268502527	4	14	519.50
WFT-30	0037112	1 1/2	098268502596	1	22	769.50
WFT-30	0037113	2	098268502602	1	30	1,334.00
WFT-75	0037114	3/4	098268502497	4	13	562.00
WFT-75	0037115	1	098268502510	4	12	611.50
WFT-75	0037116	1 1/4	098268502657	1	22	797.00
WFT-75	0037117	1 1/2	098268502619	1	22	861.50
WFT-75	0037118	2	098268502626	1	29	1,924.00
WFT-125	0037119	3/4	098268535044	4	51	624.00
WFT-125	0037120	1	098268502503	4	52	704.00
WFT-125	0037121	1 1/4	098268502541	1	22	854.50
WFT-125	0037122	1 1/2	098268502633	1	22	963.50
WFT-125	0037123	2	098268502640	1	29	2,290.00

Model	Ordering Code	Spirax Sarco No.	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Float & Thermostatic Steam Trap Repair Kits

#### Replacement Steam Trap Cover Assemblies For Spirax Sarco FT Series and Watts



WFTC



WFTK

WFTC-15	0038100	FT-15	3/4	098268488128	12	38	\$ 380.50
WFTC-15	0038101	FT-15	1	098268488135	12	38	380.50
WFTC-15	0038102	FT-15	1 1/4	098268488142	12	37	587.00
WFTC-30	0038105	FT-30	3/4	098268488173	12	37	474.00
WFTC-30	0038106	FT-30	1	098268488180	12	37	491.50
WFTC-30	0038107	FT-30	1 1/4	098268488197	6	19	734.00
WFTC-75	0038110	FT-75	3/4	098268488227	12	40	531.50
WFTC-75	0038111	FT-75	1	098268488234	12	40	550.00
WFTC-125	0038115	FT-125	3/4	098268488272	12	40	659.50
WFTC-125	0038116	FT-125	1	098268488289	12	41	679.00
WFTK-15	0038103	FT-15	1 1/2	098268488159	6	7.7	860.50
WFTK-15	0038104	FT-15	2	098268488166	6	7.2	1,307.00
WFTK-30	0038108	FT-30	1 1/2	098268488203	6	3.0	1,121.00
WFTK-30	0038109	FT-30	2	098268488210	6	7.8	1,503.00
WFTK-75	0038112	FT-75	1 1/4	098268488241	6	6.6	1,168.00
WFTK-75	0038113	FT-75	1 1/2	098268488258	6	6.6	1,307.00
WFTK-75	0038114	FT-75	2	098268488265	6	7.2	2,016.00
WFTK-125	0038117	FT-125	1 1/4	098268488296	6	7.3	1,402.00
WFTK-125	0038119	FT-125	1 1/2	098268488302	6	6.6	1,402.00
WFTK-125	0038120	FT-125	2	098268488319	6	13	1,738.00

WFTC Includes cover and cover gasket, condensate valve assembly, float & linkage, thermostatic vent.

WFTK – Includes float linkage, thermostatic air vent, valve head & seat, and gasket.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series WIB

#### Inverted Bucket Steam Traps

WIB 80-20	0039500	1/2	098268592900	6	33	\$ 445.00
WIB 80-80	0039501	1/2	098268592467	6	33	445.00
WIB 80-150	0039502	1/2	098268592474	6	44	445.00
WIB 80-20	0039504	3/4	098268592481	6	43	445.00
WIB 80-80	0039505	3/4	098268592498	6	46	445.00
WIB 80-150	0039506	3/4	098268592504	6	45	445.00
WIB 81-15	0039508	1/2	098268592511	6	45	575.50
WIB 81-70	0039509	1/2	098268592528	6	36	575.50
WIB 81-125	0039510	1/2	098268592535	6	46	575.50
WIB 81-250	0039511	1/2	098268592542	6	50	575.50
WIB 81-15	0039514	3/4	098268592559	6	50	575.50
WIB 81-70	0039515	3/4	098268592566	6	44	575.50
WIB 81-125	0039516	3/4	098268592573	6	50	575.50
WIB 81-250	0039517	3/4	098268592580	6	48	575.50
WIB 81-15	0039520	1	098268592597	6	52	575.50
WIB 81-70	0039521	1	098268592603	6	50	575.50
WIB 81-125	0039522	1	098268592610	6	47	575.50
WIB 81-250	0039523	1	098268592627	6	47	575.50

#### Quick Fix™ Steam Trap Replacement Kits

QF-1	0800001	–	098268218657	6	1.0	238.50
QF-5	0800005	–	098268218695	6	0.7	238.50

### Series WTD

#### Thermo Dynamic Steam Traps

WTD 600	0038201	1/2	098268634365	1	1.4	559.00
WTD 600	0038202	3/4	098268634372	1	2.2	705.50
WTD 600	0038203	1	098268634389	1	36	1,068.00



WIB 80



QF



WTD 600

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	Pattern	Pressure Range	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series G, GH, MG and MGH

#### Thermostatic/Radiator Steam Traps



1 GAP

1 GAP	0036040	1/2	Angle	25" Hg to 25 psig	098268395419	6	9.1	\$ 252.00
1 GSW	0036041	1/2	Straightway	25" Hg to 25 psig	098268395426	6	10	263.00
1 GRHC	0036042	1/2	Right Hand Corner	25" Hg to 25 psig	098268395433	6	9.6	411.50
1 VG	0036044	1/2	Vertical	25" Hg to 25 psig	098268395457	12	20	323.00
1 VGDU	0036045	1/2	Vertical Dbl. Union	25" Hg to 25 psig	098268395464	6	7.8	480.00
3 GHAP	0036046	3/4	Angle	25" Hg to 25 psig	098268395471	6	11	322.00
3 GHSW	0036047	3/4	Straightway	25" Hg to 25 psig	098268395488	6	13	400.00
1 MGAP	0036048	1/2	Angle	25" Hg to 65 psig	098268395495	6	9.0	280.00
1 MGSW	0036049	1/2	Straightway	25" Hg to 65 psig	098268395501	6	14	307.00
3 MGHAP	0036050	3/4	Angle	25" Hg to 65 psig	098268395518	6	11	351.00
3 MGSW	0036051	3/4	Straightway	25" Hg to 65 psig	098268395525	6	13	382.00
5 MGHAP	0036052	1	Angle	25" Hg to 65 psig	098268395532	6	16	582.00

Model	Ordering Code	Size (in.)	Pattern	Trap Being Replaced	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### SERIES G

#### Replacement Steam Traps

1GT/MON25A	0036068	1/2	Angle (Outboard only)	Illinois 1T, 2T/ Monash 35A (3)	098268395600	12	1.2	\$ 483.50
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Model	Ordering Code	Size (in.)	Pressure Range	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series G and MG

#### Float and Thermostatic (F&T) Steam Traps



6G-15

6G-15	0036096	3/4	25" Hg to 15 psig	098268395822	6	41	\$ 881.50
7G-15	0036097	1		098268395846	4	39	1,191.00
8G-15	0036098	1 1/4		098268395877	4	49	1,262.00
91G-15	0036099	1 1/2		098268395921	1	40	2,650.00
101G-15	0036100	2		098268395952	1	64	3,842.00
8MG-30	0036104	1 1/4		098268395983	4	49	1,535.00
111MG-30	0036107	2		098268396010	1	85	5,934.00
6MG-50	0036109	3/4		098268396027	6	40	1,048.00
7MG-50	0036110	1		098268396034	4	38	1,283.00
101MG-50	0036113	2		098268396065	1	64	4,288.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	Pressure Range	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Series GF and MGF

#### Float Traps



Series GF and MGF

Model	Ordering Code	Size (in.)	Pressure Range	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
6GF-15	0036142	3/4	25" Hg to 15 psig	098268396140	6	40	\$ 1,214.00
7GF-15	0036143	1		098268396164	4	38	1,436.00
8GF-15	0036144	1 1/4		098268396195	4	49	1,728.00
101GF-15	0036146	2		098268396256	1	59	4,658.00
111MGF-15	0036147	2		098268396263	1	85	6,473.00
8MGF-30	0036150	1 1/4		098268396287	4	48	1,728.00
111MGF-30	0036153	2		098268396317	1	85	6,473.00
6MGF-50	0036155	3/4		098268396324	6	40	1,214.00
7MGF-50	0036156	1		098268396331	4	38	1,436.00
101MGF-50	0036159	2		098268396362	1	59	4,658.00

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Heating Valves and Fittings

#### Series RA



RA-1-AP

#### Steam Angle Radiator Valve - Bronze - FIP x Male Union

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
RA-1-AP	0067450	1/2	098268394863	60	48	\$ 130.50
RA-1-AP	0067451	3/4	098268394870	48	52	154.50
RA-1-AP	0067452	1	098268394887	36	57	186.00
RA-1-AP	0067453	1 1/4	098268394894	24	53	236.00
RA-1-AP	0067454	1 1/2	098268394900	18	59	350.50
RA-1-AP	0067600	2	098268589511	12	57	571.50

#### Steam Angle Radiator Valve - Brass - FIP x Male Union

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
RA-2-AP	0067545	1/2	098268815733	60	47	110.00
RA-2-AP	0067455	3/4	098268401554	48	47	100.50
RA-2-AP	0067456	1	098268401561	36	54	128.50
RA-2-AP	0067457	1 1/4	098268401578	24	46	175.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Hydronics/Steam Heating Products

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Heating Valves and Fittings

### Series RA (cont.)

#### Steam Angle Convector Valve - Bronze - Female Union x FIP

RA-CV	0067616	1 1/4	098268589603	24	60	\$ 284.50
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#### Steam Radiator Gate Valve - Bronze - FIP x Male Union

RA-1-SW	0067605	1/2	098268589528	60	51	174.00
RA-1-SW	0067606	3/4	098268589542	48	56	210.00
RA-1-SW	0067607	1	098268589559	36	65	227.50
RA-1-SW	0067608	1 1/4	098268589566	24	64	304.50
RA-1-SW	0067609	1 1/2	098268589573	18	64	397.00



RA-1-SW

### Series OTV-M1

#### Oil Tank Valves

OTV-FL-M1	0067652	1/2 M X 3/8 FL	098268560909	72	63	123.00
OTV-M-M1	0067653	1/2 M X 3/8 M	098268560916	72	68	116.50



OTV-FL

### Series HWA

#### Hot Water Angle Valve - Bronze - FIP x Male Union

HWA	0067620	1/2	098268589610	70	53	138.00
HWA	0067621	3/4	098268589627	70	66	162.00
HWA	0067622	1	098268589634	36	57	195.50
HWA	0067623	1 1/4	098268589641	24	53	302.50



HWA

#### Hot Water Angle Valve - Bronze - Solder x Male Union

HWA	0067458	1/2	098268394917	70	53	125.50
HWA	0067459	3/4	098268394924	70	61	145.00

### Series UL

#### Union Elbow - Bronze - FIP x Male Union

UL-1	0067460	1/2	098268394931	150	75	66.50
UL-1	0067461	3/4	098268394948	100	59	85.75
UL-1	0067630	1	098268589665	70	67	137.00
UL-1	0067631	1 1/4	098268589672	50	67	213.50



UL-1

#### Union Elbow - Bronze - Solder x Male Union

UL-2	0067462	1/2	098268394955	150	57	66.50
UL-2	0067463	3/4	098268394962	100	53	85.75

### Series SV, SVA, SVS

#### Steam Air Vents

SV	0841000	1/8 angle non-adjustable	098268543506	144	22	38.50
SVA	0841005	1/8 angle adjustable	098268543513	144	24	46.75
SVS-1	0841010	1/8 straight, non-adjustable	098268543520	144	23	42.75
SVS-2	0841015	1/4 straight, non-adjustable	098268543537	144	23	52.00
SVS-3	0841020	3/4 MIP or 1/2 FIP, straight non-adjustable	098268543544	144	29	52.75



SVA

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Mixing Valves



LFUSG-B-QC-M2

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Thermostatic Tempering Valves - ASSE 1070 - 80°F - 120°F

#### Series USG

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LFUSG-B M2	0204143	3/8" compression bronze body	098268548457	24	20	\$ 419.00
LFUSG-B-SC M2	0204144	3/8" compression bronze body – satin chrome	098268548389	24	20	654.50
LFUSG-B-QC-M2	0204146	3/8 Quick-Connect bronze body	098268548365	12	13	460.00
LFUSG-B-QC-SC-M2	0204139	3/8 Quick-Connect bronze body-satin chrome	098268469479	12	17	631.50

### LavSafe™ Thermostatic Faucet 60°F - 120°F

#### Series 1070 and P1070

#### ASSE 1070, cUPC, NSF 61 Annex 9-G, ADA



1070



P1070

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
1070	0205258	3/8" compression, 2.0 gpm aerator	098268536850	6	21	\$ 726.00
1070-6	0205259	3/8" compression, 2.0 gpm aerator, 6" lever handle	098268536867	6	22	755.00
1070A5	0205260	3/8" compression, 0.5 gpm Outlet	098268536898	6	21	740.50
1070A15	0205261	3/8" compression, 1.5 gpm aerator †	098268536904	6	21	740.50
1070PW	0205262	3/8" compression, 2.0 gpm aerator, pop-up waste	098268536911	6	23	795.00
1070L	0205230	3/8" compression, 2 gpm laminar outlet	098268536010	6	21	753.50
1070L5	0205231	3/8" compression, 0.5 gpm laminar outlet	098268536027	6	21	778.50
1070VA	0205232	3/8" compression, 2 gpm vandal-resistant Aerator	098268536089	6	21	753.50
1070V5	0205233	3/8" compression, 0.5 gpm vandal-resistant Aerator	098268536119	6	21	757.00
1070VL	0205234	3/8" compression, 2 gpm vandal-resistant laminar outlet	098268536126	6	21	757.00
1070VL5	0205235	3/8" compression, 0.5 gpm vandal-resistant laminar outlet	098268536133	6	21	793.00
P1070	0205263	3/8" compression, deck plate, 2.0 gpm aerator	098268536928	6	24	780.00
P1070-6	0205264	3/8" compression, deck plate, 2.0 gpm aerator, 6" lever handle	098268536935	6	26	809.50
P1070A5	0205265	3/8" compression, deck plate, 0.5 gpm Outlet	098268536942	6	24	796.50
P1070A15	0205266	3/8" compression, deck plate, 1.5 gpm aerator †	098268536959	6	24	796.50
P1070PW	0205267	3/8" compression, deck plate, 2.0 gpm aerator, pop-up waste	098268536966	6	26	848.50
P1070L	0205236	3/8" compression, deck plate, 2 gpm laminar outlet	098268536188	6	24	807.00
P1070L5	0205237	3/8" compression, deck plate, 0.5 gpm laminar outlet	098268536195	6	24	833.00
P1070VA	0205238	3/8" compression, deck plate, 2 gpm vandal-resistant Aerator	098268536218	6	24	807.00
P1070V5	0205239	3/8" compression, deck plate, 0.5 gpm vandal-resistant Aerator	098268536225	6	24	810.50
P1070VL	0205240	3/8" compression, deck plate, 2 gpm vandal-resistant laminar outlet	098268536232	6	24	810.50
P1070VL5	0205241	3/8" compression, deck plate, 0.5 gpm vandal-resistant laminar outlet	098268536416	6	24	847.00

†WaterSense® applies to 1.5 gpm aerator models only.

WaterSense® is a registered trademark of the EPA.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Mixing Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## LavSafe™ Thermostatic Faucet 60°F - 120°F Series G1070 and GP1070 (cont.)

### ASSE 1070, cUPC, NSF 61 Annex 9-G, ADA



G1070



GP1070-6

LEAD FREE\*

G1070	0205268	3/8" compression, gooseneck spout, 2.0 gpm aerator	098268536973	6	26	\$ 949.00
G1070A5	0205269	3/8" compression, gooseneck spout, 0.5 gpm Outlet	098268536980	6	28	960.00
GP1070	0205270	3/8" compression, gooseneck spout, deck plate, 2.0 gpm aerator	098268536997	6	30	1,031.00
GP1070A5	0205271	3/8" compression, gooseneck spout, deck plate, 0.5 gpm Outlet	098268537000	6	30	1,048.00
G1070-6	0205242	3/8" compression, gooseneck spout, 6" lever handle	098268536423	6	28	976.50
G1070A15	0205243	3/8" compression, gooseneck spout, 1.5 gpm aerator†	098268536430	6	26	960.00
G1070L	0205244	3/8" compression, gooseneck spout, 2 gpm laminar outlet	098268536447	6	26	973.00
G1070L5	0205245	3/8" compression, gooseneck spout, 0.5 gpm laminar outlet	098268536454	6	26	1,003.00
G1070VA	0205246	3/8" compression, gooseneck spout, 2.0 gpm vandal-resistant Aerator	098268536461	6	26	973.00
G1070V5	0205247	3/8" compression, gooseneck spout, 0.5 gpm vandal-resistant Aerator	098268536478	6	26	979.50
G1070VL	0205248	3/8" compression, gooseneck spout, 2 gpm vandal-resistant laminar outlet	098268536485	6	26	979.50
G1070VL5	0205249	3/8" compression, gooseneck spout, 0.5 gpm vandal-resistant laminar outlet	098268536492	6	26	1,014.00
GP1070-6	0205250	3/8" compression, gooseneck spout, deck plate, 6" lever handle	098268536607	6	32	1,058.00
GP1070A15	0205251	3/8" compression, gooseneck spout, deck plate, 1.5 gpm aerator†	098268536768	6	31	1,046.00
GP1070L	0205252	3/8" compression, gooseneck spout, deck plate, 2 gpm laminar outlet	098268536782	6	31	1,056.00
GP1070L5	0205253	3/8" compression, gooseneck spout, deck plate, 0.5 gpm laminar outlet	098268536799	6	31	1,083.00
GP1070VA	0205254	3/8" compression, gooseneck spout, deck plate, 0.2 gpm vandal-resistant Aerator	098268536805	6	31	1,056.00
GP1070VL	0205256	3/8" compression, gooseneck spout, deck plate, 2 gpm vandal-resistant laminar outlet	098268536829	6	31	1,063.00
GP1070VL5	0205257	3/8" compression, gooseneck spout, deck plate, 0.5 gpm vandal-resistant laminar outlet	098268536843	6	31	1,096.00

†WaterSense® applies to 1.5 gpm aerator models only.

WaterSense® is a registered trademark of the EPA.

# Mixing Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Thermostatic Tempering Valves - ASSE 1017, 1069, 1070 - Maximum Temperature 80°F - 120°F

### Series LFMMV

#### Union Threaded Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFMMVM1-UT	0559116	1/2	098268451795	12	25	\$ 428.50
	LFMMVM1-UT	0559119	3/4	098268451825	12	34	534.50
	LFMMVM1-UT	0559122	1	098268451856	6	22.6	702.00

#### Union Solder Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFMMVM1-US	0559115	1/2	098268451788	12	24	428.50
	LFMMVM1-US	0559118	3/4	098268451818	12	31	534.50
	LFMMVM1-US	0559121	1	098268451849	6	16	702.00

#### Union PEX Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFMMVM1-PEX	0559114	1/2	098268451771	12	24	428.50
	LFMMVM1-PEX	0559117	3/4	098268451801	12	30	534.50
	LFMMVM1-PEX	0559120	1	098268451832	6	21	702.00

#### Union CPVC Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFMMVM1-CPVC	0559161	1/2	098268452396	12	23	428.50
	LFMMVM1-CPVC	0559162	3/4	098268452402	12	28	534.50
	LFMMVM1-CPVC	0559163	1	098268452419	6	16	702.00

#### Union Quick-Connect Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFMMVM1-QC	0559164	1/2	098268452426	12	28	466.50
	LFMMVM1-QC	0559165	3/4	098268452433	6	20	573.00
	LFMMVM1-QC	0559166	1	098268452440	6	23	739.50

#### Union Threaded Press Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFMMVM1-UT (w/press)	6550791	1/2	098268118353	12	25	516.00
	LFMMVM1-UT (w/press)	6550792	3/4	098268118360	12	34	639.00
	LFMMVM1-UT (w/press)	6550793	1	098268118384	6	23	871.00

#### Union PEX F1960, Cold Expansion Fitting Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFMMVM1-CEF	6551631	1/2	098268338867	12	24	389.50
	LFMMVM1-CEF	6551632	3/4	098268338928	12	30	484.50

## Hot Water Tank Capacity Extender Maximum Temperature 80°F - 120°F

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFMMV-HTK	0559178	3/4	098268086263	8	24	626.50



LFMMVM1-UT



LFMMVM1-QC



LFMMVM1-UT (w/press)

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Mixing Valves

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Thermostatic Tempering Valves - ASSE 1017 - Maximum Temperature 90°F - 160°F

### Series LF1170

#### Union Threaded Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF1170M2-UT	0559101	1/2	098268451641	12	28	\$ 434.00
	LF1170M2-UT	0559104	3/4	098268451672	12	36	568.00
	LF1170M2-UT	0559106	1	098268451696	6	23	705.00

#### Union Solder Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF1170M2-US	0559100	1/2	098268451634	12	24	434.00
	LF1170M2-US	0559103	3/4	098268451665	12	35	568.00
	LF1170M2-US	0559105	1	098268451689	6	20	705.00

#### Union PEX Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF1170M2-PEX	0559143	1/2	098268452211	12	24	434.00
	LF1170M2-PEX	0559102	3/4	098268451658	12	35	568.00
	LF1170M2-PEX	0559144	1	098268452228	6	19	705.00

#### Union CPVC Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF1170M2-CPVC	0559145	1/2	098268452235	12	23	434.00
	LF1170M2-CPVC	0559146	3/4	098268452242	12	28	568.00
	LF1170M2-CPVC	0559147	1	098268452259	6	16	705.00

#### Union Quick-Connect Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF1170M2-QC	0559148	1/2	098268452266	12	28	471.00
	LF1170M2-QC	0559149	3/4	098268452273	6	20	607.00
	LF1170M2-QC	0559150	1	098268452280	6	23	743.50

#### Union Threaded Press Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF1170M2-UT (w/press)	6550788	1/2	098268118315	12	28	521.00
	LF1170M2-UT (w/press)	6550789	3/4	098268118322	12	36	673.50
	LF1170M2-UT (w/press)	6550790	1	098268118339	6	23	874.50

#### Union PEX F1960, Cold Expansion Fitting Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF1170M2-CEF	6551704	1/2	098268339000	12	24	394.50
	LF1170M2-CEF	6551705	3/4	098268339161	12	28	516.00



LF1170-M2-US



LF1170M2-UT (w/press)

# Mixing Valves



LFL1170-PEX

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Thermostatic Tempering Valves - ASSE 1017 - Low Temperature, 60°F - 120°F

### Series LF1170

#### Union Threaded Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFL1170M2-UT	0559108	1/2	098268451719	12	26	\$ 434.00
	LFL1170M2-UT	0559110	3/4	098268451733	12	31	568.00
	LFL1170M2-UT	0559160	1	098268452389	6	19	705.00

#### Union Solder Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFL1170M2-US	0559107	1/2	098268451702	12	24	434.00
	LFL1170M2-US	0559109	3/4	098268451726	12	34	568.00
	LFL1170M2-US	0559111	1	098268451740	6	19	705.00

#### Union PEX Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFL1170M2-PEX	0559152	3/4	098268452303	12	31	568.00
	LFL1170M2-PEX	0559153	1	098268452310	6	19	705.00

#### Union CPVC Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFL1170M2-CPVC	0559154	1/2	098268452327	12	23	434.00
	LFL1170M2-CPVC	0559155	3/4	098268452334	12	28	568.00
	LFL1170M2-CPVC	0559156	1	098268452341	6	14	705.00

#### Union Quick-Connect Ends

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFL1170M2-QC	0559157	1/2	098268452358	12	28	471.00
	LFL1170M2-QC	0559158	3/4	098268452365	6	20	607.00
	LFL1170M2-QC	0559159	1	098268452372	6	23	743.50

## Hot Water Extender Tempering Valves

### Series LF70A and LFL70A

#### Hot Water Extender Tempering Valves - 120°-160°F - For Residential Installations

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF70A-F **	0559129	1/2	098268451870	25	14	301.50
	LF70A-T	0559130	1/2	098268451887	25	28	332.50
	LF70A **	0559133	3/4	098268451917	25	20	349.50
	LF70A T	0559134	3/4	098268451924	25	23	405.00

#### Low Temperature Hot Water Extender Tempering Valves - 100°- 130°F - For Residential Installations

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFL70A-F **	0559131	1/2	098268451894	25	13	369.50
	LFL70AT	0559132	1/2	098268451900	25	40	386.50
	LFL70A **	0559135	3/4	098268451931	25	28	427.00
	LFL70AT	0559136	3/4	098268451948	25	23	476.50

\*\* Solder Connections



LF70A

## Master Tempering Valves

### Series LFN170

#### Master Tempering Valves - ASSE 1017 90° -180°F - For Commercial Installations

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFN170M3	0559124	3/4	686408611972	6	29	2,190.00
	LFN170M3	0559125	1	686408611989	6	29	2,469.00
	LFN170M3	0559126	1 1/4	686408611996	4	38	3,805.00
	LFN170M3	0559127	1 1/2	686408612009	4	36	4,164.00
	LFN170M3	0559128	2	686408612016	3	31	6,240.00

#### Master Tempering Valves with Check Stops- ASSE 1017 90° -180°F - For Commercial Installations

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFN170M3-CSUT	0559167	3/4	686408612177	1	10	2,752.00
	LFN170M3-CSUT	0559168	1	686408612184	1	10	3,136.00
	LFN170M3-CSUT	0559169	1 1/4	686408612191	1	19	4,180.00
	LFN170M3-CSUT	0559170	1 1/2	686408612207	1	20	4,645.00
	LFN170M3-CSUT	0559171	2	686408612214	1	21	6,516.00



LFN170M3



LFN170M3 CSUT

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Wall Hydrants

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Freezeless Wall Hydrants

#### Series FH and LFFH

##### Less Vacuum Breaker - Inlet 1/2" Solder or 1/2" Male I.P.S.

FH-1-M1	0723161	6	098268493177	40	44	\$ 119.00
FH-1-M1	0723162	8	098268493160	40	47	122.50
FH-1-M1	0723163	10	098268493191	40	48	126.00
FH-1-M1	0723164	12	098268493207	40	51	127.00
FH-1-M1	0723165	14	098268493214	40	55	130.00

##### Inlet 1/2" PEX

FH-1-M1-PEX	0723036	6	098268325737	40	44	142.00
FH-1-M1-PEX	0723037	8	098268325577	40	42	146.00
FH-1-M1-PEX	0723038	10	098268325584	40	49	152.00
FH-1-M1-PEX	0723040	14	098268325607	40	55	160.50



FH-1-M1-PEX

#### Series FHB and LFFHB

##### With Vacuum Breaker - Inlet 1/2" PEX - ASSE 1019, IAPMO

FHB-1-PEX	0723025	4	098268324532	20	22	\$ 123.00
FHB-1-PEX	0723026	6	098268324549	20	24	127.50
FHB-1-PEX	0723027	8	098268324556	20	25	128.50
FHB-1-PEX	0723029	12	098268324280	20	29	137.00

##### Inlet 3/4" Male I.P.S. or 1/2" Female I.P.S.

FHB-2	0723021	14	098268678239	20	32	148.00
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##### Inlet 3/4" Solder or 3/4" Male I.P.S.

FHB-2-3/4"	0723022	12	098268701913	20	28	137.00
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FHB-1-PEX



# Water Hammer Arrestors

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Water Hammer Arrestors

### Series LF05

#### Mini Water Hammer Arrestors - ASSE Std 1010, IAPMO Listed

LEAD FREE*	Straight Models		Inlet Size				
	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF05 (NPT)	0009850	3/8	098268430110	30	13	\$ 101.00
	LF05 (NPT)	0009851	1/2	098268430127	30	13	102.00
	LF05H (Hose)	0009852	3/4	098268430134	12	7.3	118.00
	LF05H-M1 (Hose)	0009853	3/4	098268430141	12	6.6	120.50
	LF05A-CH (NPT)	0009855	3/4	098268430165	12	10	127.50

#### Tee Models

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF05-CXT (Comp x Rrvs Comp Nut)	0121273	3/8	098268582239	30	20	130.00
	LF05-PEX-T	0009857	1/2	098268430189	12	10	132.50

### Series LF15

#### Water Hammer Arrestors - Stops Banging Pipes -

#### P.D.I. approved, ASSE Std. 1010, IAPMO Listed

LEAD FREE*	Straight Models		Inlet Size				
	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF15M2-AS	0750150	1/2	098268499384	30	13	\$ 48.25
	LF15M2-BS	0750151	3/4	098268499391	24	13	58.00
	LF15M2-CS	0750152	1	098268499407	12	11	142.00
	LF15M2-DS	0750153	1	098268499414	6	9.9	181.50
	LF15M2-ES	0750154	1	098268499421	4	8.1	243.50
	LF15M2-FS	0750155	1	098268499438	4	9.5	372.50
	LF15M2-A	0750160	1/2	098268526127	30	14	65.50
	LF15M2-B	0750161	3/4	098268526134	24	21	76.75
	LF15M2-C	0750162	1	098268526141	12	14	198.50
	LF15M2-D	0750163	1	098268526158	6	12	249.00
	LF15M2-E	0750164	1	098268526165	4	9.4	334.00
	LF15M2-F	0750165	1	098268526172	4	11	537.50

### Series LF150

#### Water Hammer Arrestor For Washing Machines

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF150A	0121227	1/2	098268580266	12	8	161.50

#### Fitting For 1/2" Shock Arrestor For Washing Machines

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF150HA	0121229	3/4 H.T.	098268580280	50	17	46.50

#### Water Hammer Arrestor and Fitting For Washing Machines

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF150A-HA	0121231	3/4 H.T.	098268580303	12	12	208.00



\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Plumbing Specialties

Model	Ordering Code	Size (in.)	Adapter Fitting/Description	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### IntelliFlow® Automatic Water Shutoff Valves For Washing Machines

#### Series A2



A2C-SC

A2C-SC	0004648	1/2	Surface Mount-solder/ Washing Machine Smart Water Shutoff Valve with Leak Sensor, Inlet Adapters	098268272970	8	20	593.00
A2C-SC-WB**	0004649	1/2	Surface Mount-solder /Washing Machine Smart Water Shutoff Valve With Leak Sensor, Inlet Adapters, Wall Box	098268272994	4	18	678.00
A2C-LS	0004647	1/2	leak sensor for A2C-M1, A2C-WB-M1	098268923506	12	3.2	124.00
A2-Intellitimer	0004650		allows A2 to be used with 220VAC appliance	098268183085	6	3.3	423.00
KA2-BD	0004800	1/2	retrofit kit for straight or angle shutoffs	098268922769	12	19	219.00
KA2-A	0004804	1/2	retrofit kit for 2, A2, A2C, A2C-M	098268922806	12	9.8	219.00
KA2-R	0004805	1/2	retrofit kit for 2, A2-WB, A2C-WB, A2C-WB-M	098268922813	12	9.6	219.00

\*\* With wall mount box



2M2 DWB

### Decorative Wall Box With Duo-Cloz™

#### Series 2M2

2M2 DWB	0006625	-	Decorative Wall Box	098268858389	-	19	287.00
2M2 DWB	0006627	-	Rough-In Kit	098268253153	-	12	102.00

### DUO-CLOZ™ Water Shutoff Valves For Washing Machines

#### Series 2

##### Plain Brass Body



2M2

2-M2	0006644	1/2	Solder Copper Ell	098268302417	24	31	147.00
2T-M2	0006643	1/2	Male Threaded Brass †Satin Chrome Body	098268302400	24	22	147.00
2-M2-SC	0006364	1/2	Solder Copper Ell	098268371741	24	34	183.50

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Plumbing Specialties

Model	Ordering Code	Size (in.)	Adapter Fitting/Description	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Boiler Drains

#### Series BD and LFBD

BD1C	0820901	1/2	M.I.P. or Solder inlet, angle	098268260441	100	51	\$ 23.00
BD2	0820905	3/4	M.I.P. inlet, angle	098268092806	72	32	22.50
BD2C	0820902	3/4	M.I.P. inlet, angle	098268260458	100	51	24.75
BD3F	0820906	1/2	F.I.P. inlet, angle pattern	098268092813	100	55	20.50
BD4F	0820908	3/4	F.I.P. inlet, angle pattern	098268092820	72	37	21.00
BD5	0820903	1/2	M.I.P. or Solder inlet, straight pattern	098268650464	144	58	19.00
BD6	0820904	3/4	M.I.P. inlet, straight pattern	098268650471	72	37	16.50

#### LFBD Series

##### Lead Free Boiler Drains

LEAD FREE	LFBD-1C	0123618	1/2		098268701272	100	51	29.00
	LFBD-2C	0123619	3/4		098268701289	100	51	31.75
	LFBD5	0123620	1/2		098268701302	144	58	24.00
	LFBD6	0123621	3/4		098268701340	72	37	21.25
	LFBD2	0123622	3/4		098268701364	72	32	28.50
	LFBD3F	0123623	1/2		098268701418	100	55	26.00
	LFBD4F	0123624	3/4		098268701425	72	37	26.50
	LFBD-QT	0123631	1		098268701517	120	46	35.25
	LFBD-QT	0123632	3		098268701531	80	40	41.75
	LFBD-1C	0960113	1/2		098268704211	90	45	40.00

##### Quarter-Turn Boiler Drains



BD-QT

LEAD FREE	BD-QT	0820955	1/2	Dual Pattern, MIP or Solder with 3/4 hose connection	098268919875	120	46	27.25
	BD-QT	0820956	3/4	M.I.P. x 3/4 hose connection	098268919882	80	40	31.75
	LFBD-QT	0123631	1/2	Dual Pattern, MIP or Solder with 3/4 hose connection	098268701517	120	46	35.25
	LFBD-QT	0123632	3/4	M.I.P. x 3/4 hose connection	098268701531	80	40	41.75



Spring Fit Access Panel

### Spring Fit Access Panels

#### Series APU

APU9	0958042		8" x 8"	098268965001	5	3	54.75
APU15	0958046		14" x 14"	098268965018	5	8	75.00

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Plumbing Specialties

Model	Ordering Code	Size (in.)	Adapter Fitting/Description	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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SC8

### No-Kink Hose Bibb With Tee Handle and Vacuum Breaker

SC8-1	0611150	1/2	Male I.P. or Solder	098268308563	24	19	\$ 127.50
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### Lawn Faucet (Sillcock With Cast Iron Handwheel and Vacuum Breaker)

SC8-3	0611350	1/2	Solder	098268308587	24	19	129.00
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### Hose Bibb, Hex Shoulder With Tee Handle and Vacuum Breaker

SC8-5	0611550	1/2	Male I.P. or solder inlet	098268308488	24	19	120.50
SC8-6	0611650	3/4	Male I.P. inlet, hose end	098268308471	24	22	127.50

### Trap Primer - Ensures Trap Seal

#### Series TP300 and LFTP300

LFTP300T	0121238	1/2	Threaded Connections	098268580433	24	25	486.50
LFTP300S	0121239	1/2	Union Solder Ends	098268580440	24	23	486.50
TP300-DU	0295137	1/2	Distribution Unit	098268560619	24	20	96.50

LEAD FREE



WAS

### Anti-Sweat Valve For Toilet Tanks - Adjustable

#### Series WAS

WAS	0215476	1/2	IPS and/or compression	098268633337	100	75	231.00
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### Brass Angle Meter Valve With Waste

#### Series LFWAMV

##### Lead Free Angle Meter Valves

LFWAMV-W FLxIPS	0123015	3/4x3/4		098268650525	60	66	\$ 132.00
LFWAMV-W FLxIPS	0123016	1x3/4		098268734911	60	67	233.50
LFWAMV FLxIPS	0123017	3/4x3/4		098268734928	60	64	119.50
LFWAMV FLxIPS	0123018	1x3/4		098268734935	60	84	161.50

LEAD FREE

## Plumbing Specialties

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Heavy Duty Float Valves and Components

#### Heavy Duty Float Valves

375	0780001	3/8	098268090840	40	24	\$ 120.50
500	0780003	1/2	098268090864	40	35	106.50
750	0780007	3/4	098268090901	40	46	137.00
1000	0780011	1	098268090949	10	19	236.50
1250	0780012	1 1/4	098268090956	10	35	421.50
1500	0780013	1 1/2	098268090963	10	34	423.50
2000	0780014	2	098268090970	10	39	434.50

#### Heavy Duty Float Valves Plus Locknut and Gasket

375-12	0780002	3/8	098268090857	40	36	107.00
500-12	0780004	1/2	098268090871	40	40	114.50
750-12	0780008	3/4	098268090918	40	50	147.00

#### Heavy Duty Float Valves with Threaded Outlet Valve

500TO	0780005	1/2	098268090888	40	36	111.00
750TO	0780009	3/4	098268090925	40	52	149.50

#### Heavy Duty Float Valves Plus Locknut and Gasket

500TO-12	0780006	1/2	098268090895	40	40	114.50
750TO-12	0780010	3/4	098268090932	40	52	145.50

#### Heavy Duty Stems

11	0780318	10	098268702965	10	1.4	33.00
11.5	0780319	12	098268702972	10	3.0	41.00
11-12	0780322	12	098268703009	10	2.3	37.25
12	0780320	12	098268702989	10	2.8	40.25
12.5	0780349	12	098268818321	10	12	40.25
13	0780321	12	098268702996	10	13	39.75

Additional Sizes Available. Consult Factory.

#### Nuzzle Assemblies for Heavy Duty Stems and Floats

N1	0780021	10	098268091045	10	2.4	52.50
N1-7	0780022	10	098268091052	10	7.0	52.50
N5	0780023	12	098268091069	10	3.0	67.00
N5-1	0780024	12	098268091076	10	3.0	67.00
N5-3	0780025	12	098268091083	50	15	67.75
N8	0780026	12	098268091090	10	4.5	75.00
N8-7	0780027	12	098268091106	10	5.0	75.00



\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Plumbing Specialties

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Heavy Duty Floats and Adapters

### Copper Floats



CX	0780351	4 x 5	098268818291	8	6.4	\$ 134.50
C4	0780352	4	098268818307	4	2.4	103.50
C5	0780329	5	098268703078	12	10	129.00
C6	0780330	6	098268703085	8	8.8	150.00
C6-3	0780032	6	098268091151	24	27	150.00
C6-7	0780331	6	098268703092	8	8.4	150.00
C7	0780332	7	098268703108	12	17	260.50
C8	0780333	8	098268703115	8	19	402.50
C10	0780036	10	098268091199	4	14	774.50
C12	0780037	12	098268091205	4	26	1,391.00



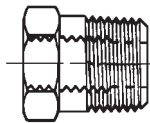
### Plastic Floats

PX	0780325	4 x 5	098268703030	10	2.8	42.00
P6	0780326	6	098268703047	10	6.5	48.25
P6-7	0780327	6	098268703054	10	6.9	48.25
P8	0780328	8	098268703061	10	10	58.50
P8-1	0780357	8	098268818314	10	11	58.50
P8-7	0780356	8	098268818338	10	10	58.50
P12***	0780221	2 x 6	098268474527	1	1.9	118.50
P16**	0780044	2 x 8	098268091274	1	3.3	154.00

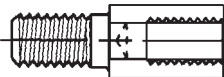
\*\*Assembly of two P8's

\*\*\*Assembly of two P6's

### Thread Adapters for Floats



AD1 through AD3



AD10 through AD15

		Male Thread	Female Thread				
AD1	0780045	3/8 NPT	5/16-18	098268091281	100	5.0	\$ 94.50
AD2	0780046	3/8 NPT	3/8-16	098268091298	100	7.3	94.50
AD3	0780047	1/2 NPT	3/8-16	098268091304	100	15	94.50
AD10	0780049	1/4-20	5/16-18	098268091328	100	40	64.25
AD11	0780050	1/4-20	3/8-16	098268091335	100	6.2	64.25
AD12	0780051	5/16-18	1/4-20	098268091342	100	85	64.25
AD13	0780052	3/8	5/16-18	098268091359	100	45	71.00
AD14	0780053	3/8-16	1/4-20	098268091366	100	20	71.00
AD15	0780054	5/16-18	3/8-16	098268091373	100	7.0	82.75

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Plumbing Specialties

1MN  
Long Arm



2MN  
Short Arm



1JB Long Arm

2JB Short Arm



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Float Valves and Components Replacement Parts

### Heavy Duty Valve Arms

1MN	0780337	For	098268703153	100	10	\$ 23.00
2MN-1	0780334	valve sizes	098268703122	100	10	26.75
2MN-7	0780064	3/8, 1/2	098268091472	100	7.0	67.00
2MN 3	0780065	and 3/4.	098268091489	50	3.3	67.00
1JB	0780338	For	098268703160	100	15	52.50
2JB-7	0780335	valve sizes	098268703139	100	10	54.00
2JB-3	0780336	1 and	098268703146	100	15	54.00
2JB-9	0780070	larger.	098268091533	50	7.7	61.50
2JB-4	0780071		098268091540	50	6.8	78.25

### Valve Arm Sets

A1214	0780073	For 3/8, 1/2, 3/4	098268091564	100	6.0	62.75
A1210	0780074	1 & larger	098268091571	100	50	118.50

### Plunger Assembly

375A785	0780075	3/8	098268091588	100	9.3	46.00
500A785	0780076	1/2	098268091595	100	17	57.50
750A785	0780077	3/4	098268091601	100	26	65.75
1000A785	0780078	1	098268091618	50	15	117.00
JA785	0780079	1 1/4-2	098268091625	50	24	178.00

### Lock Nuts

375-6	0780080	3/8	098268091632	50	0.5	9.50
750-6	0780082	3/4	098268091656	50	4.0	13.75

### Plunger End Discs

375-5	0780341	3/8	098268703191	100	1.0	13.75
500-5	0780342	1/2	098268703207	100	0.3	11.25
750-5	0780343	3/4	098268703214	100	1.0	11.25
1000-5	0780344	1	098268703221	100	1.0	13.75
J-5	0780345	1 1/4-2	098268703238	100	1.0	17.75

### Leather Rings

375-8	0780346	3/8	098268703245	100	0.2	21.75
500-8	0780347	1/2, 1-2	098268703252	100	0.3	12.25
750-8	0780348	3/4	098268703269	100	0.3	12.25

### Machine Screws

10	0780339	For 1 - 2	098268703177	100	3.0	13.75
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### Thumb Screws

15	0780340	For 3/8 - 3/4	098268703184	25	0.4	14.00
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### Stainless Steel Nut and Bolt Assembly

3B	0780095	For 3/8, 1/2, 3/4	098268091786	50	0.3	11.25
4B	0780096	For 1 - 2	098268091793	100	2.0	13.75

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Plumbing Specialties

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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3/8" - 1" Threaded Outlet



1/4" - 2" Threaded Outlet

## Standard Duty Float Valves and Components

### Standard Duty Float Valves

ST375	0770179	3/8	0098268194487	100	57	\$ 88.00
ST500	0770180	1/2	0098268194494	100	50	94.50
ST750	0770181	3/4	0098268194500	80	36	117.00
ST1000	0770182	1	0098268225938	40	24	184.50
ST1250	0780282	1 1/4	0098268475135	20	56	329.50
ST1500	0780283	1 1/2	0098268475142	20	29	358.00
ST2000	0780284	2	0098268475159	10	28	375.50

## Standard Duty Float Valves Replacement Parts

### Valve Arms

ST2-LA Long	0770183	3/8-1	098268225945	20	1.4	30.25
ST2-1 Short	0770184	3/8-1	098268225952	25	1.8	25.75
ST2-LA Long	0780155	1 1/4-2	098268844832	100	18	37.25
ST2-1 Short	0780156	1 1/4-2	098268844849	50	7.7	32.25

### Plunger Assembly

ST375-PA	0770185	3/8	098268225969	100	12	41.00
ST500-PA	0770186	1/2	098268225976	100	18	42.50
ST750-PA	0770187	3/4	098268225983	100	0.5	54.00
ST1000-PA	0770188	1	098268225990	100	4.0	106.50
ST1250-PA	0780368	1 1/4	098268828450	100	30	133.50
ST1500-PA	0780368	1 1/2	098268828450	100	30	133.50
ST2000-PA	0780368	2	098268828450	100	30	133.50

### Plunger End Discs

ST 375 Disc	0770255	3/8	098268252330	100	0.2	11.25
ST 750 Disc	0770257	3/4	098268252354	100	0.04	11.25

### Fasteners (Brass)

15 Thumb Screw	0780340	3/8 - 1	098268703184	25	0.4	14.00
3 Cotter Pin	2322000	1/8 - 1	098268477245	50	0.3	7.50
10 Machine Screw	0780339	1 1/4 - 2	098268703177	100	0.3	13.75
4 Cotter Pin	2322001	1 1/4 - 2	098268477252	100	0.9	4.75



Long Arm      Short Arm



Long Arm      Short Arm





## Plumbing Specialties

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Automatic Livestock Watering Kits

#### Automatic Livestock Watering Kits

RL600	0780105	1.1	0098268240450	1	1.4	\$ 212.00
RL600A	0780173	0.1	0098268474046	1	0.9	54.25
RL600V	0780174	0.2	0098268474053	24	6.4	80.75
RL600-SC	0780365	0.2	0098268824933	50	7.0	56.00
UA600	0780245	1.4	0098268474763	10	20	132.50

### Evaporative Cooler Valve Kits

**Bronze body, machined in-seat, Buna-N seals, adjustable brass arms, polyethylene float. - 3 GPM @ 100psi Capacity.**

#### 3/8" MIP OD x 1/8" FIP ID pipe connection

STD-CA3/8x1/8	0770178	8 x 3/4	098268194470	25	9.5	\$ 47.25
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#### 3/8" Copper Tube Connection

C3/8TF	0780274	12 x 3/4	098268475050	25	7.4	46.75
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#### 1/4" Copper Tube Connection

C1/4TF	0780269	12 x 3/4	098268475005	25	10	42.00
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#### 1/4" Copper Tube Connection

C1/4TFAEA	0780270	11 x 3/4	098268475012	100	33	42.00
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#### Tube Fitting Mini-Cooler Valves

M1/4TFSS	0770176	1/4" copper	098268194456	100	30	30.25
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\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Dielectric Unions

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series LF3001A

### Female Iron Pipe Thread to Copper Solder Joint (BAA Compliant)



LF3001A

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF3001A	0009864	1/2	098268430196	24	8.6	\$ 28.50
LF3001A	0009865	3/4	098268430202	24	10	28.50
LF3001A	0009866	1	098268430219	12	7.1	60.50
LF3001A	0009867	1 1/4	098268430226	12	11	98.75
LF3001A	0009868	1 1/2	098268430233	12	16	143.50
LF3001A	0009869	2	098268430240	6	16	202.50

## Series LF3002

### Female Iron Pipe Thread to Reduced Copper Solder Joint



LF3002

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF3002	0121292	1/2 x 3/8	098268582444	25	8.7	39.00
LF3002	0009872	3/4 x 1/2	098268430271	24	11	41.75
LF3002	0009873	1 x 3/4	098268430288	12	7.6	60.25

## Series LF3003

### Female Iron Pipe Thread to Female Brass Pipe Thread



LF3003

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF3003	0009874	1/2	098268430295	24	12	58.50
LF3003	0009875	3/4	098268430301	12	8.5	70.25
LF3003	0009876	1	098268430318	12	12	106.50
LF3003	0009877	1 1/4	098268430325	12	18	160.50
LF3003	0009878	1 1/2	098268430332	6	18	220.50
LF3003	0009879	2	098268430349	6	26	292.00

## Series LF3004

### Female Iron Pipe Thread to Female Iron Pipe Thread - Galvanized

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF3004	0821930	1/2	098268461480	24	12	42.50
LF3004	0821931	3/4	098268461497	12	8	49.00
LF3004	0821932	1	098268461503	12	12	63.75
LF3004	0821933	1 1/4	098268461510	12	18	84.75
LF3004	0821934	1 1/2	098268461527	6	17	129.00
LF3004	0821935	2	098268461534	6	25	191.00

## Series LF3005

### Male Iron Pipe Thread to Copper Solder Joint



LF3005A

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF3005A	0009870	1/2	098268430257	12	5.6	39.75
LF3005A	0009871	3/4	098268430264	24	13	47.75

## Series LF3006

### Female Iron Pipe Thread to Female Iron Pipe Thread - Black - Gas Service



LF3006

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF3006	0821786	1/2	098268786231	24	11	42.50
LF3006	0821787	3/4	098268786255	12	8	49.00
LF3006	0821788	1	098268786262	12	8	63.75
LF3006	0821789	1 1/4	098268786279	12	17	84.75
LF3006	0821790	1 1/2	098268786286	6	16	129.00
LF3006	0821791	2	098268786293	6	16	191.00

## Series LF3007

### Male Iron Pipe Thread to Reduced Solder Connection

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF3007	0821937	3/4 x 1/2	098268461558	24	14	60.25

## Series LF3008

### Female Brass Pipe Thread to Female Solder Connection

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
LF3008	0009880	1/2	098268430356	25	9.6	58.75
LF3008	0009881	3/4	098268430363	24	11	60.50
LF3008	0009882	1	098268430370	12	7.8	103.50

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

# Dielectric Unions

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Series LF4001E

### Iron Pipe Thread to Copper Solder Joint

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF4001E	0821460	1/2	098268570915	24	4.9	\$ 31.00
	LF4001E	0821461	3/4	098268570922	24	10	31.00
	LF4001E	0821462	1	098268570939	12	7.1	66.50
	LF4001E	0821463	1 1/4	098268570977	12	10	109.00
	LF4001E	0821464	1 1/2	098268570984	12	16	157.50
	LF4001E	0821465	2	098268570991	6	15	221.50

## Flanged Fittings

### Series LF3100

#### Iron Pipe Thread to Copper Solder Joint

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF3100M3	0821747	2 1/2	098268430394	1	13	463.00
	LF3100M3	0821748	3	098268430400	1	16	633.50
	LF3100M3	0821749	4	098268430417	1	33	1,676.00



LF3100/3200

### Series 3200

#### Iron Pipe Thread to Iron Pipe Thread

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	3200	0822400	2	098268094305	1	8.5	372.50
	3200	0822420	2 1/2	098268094312	1	15	471.50
	3200	0822440	3	098268094329	1	18	582.00
	3200	0822460	4	098268094336	1	32	874.00

### Series LF3110

#### Bronze Solder Copper - Class 125 - Flange, Insulators, gasket, Bolts & Nuts

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF3110	0009887	2 1/2	098268430424	1	7.7	807.00
	LF3110	0009888	3	098268430431	1	9.3	923.50
	LF3110	0121304	4	098268582604	1	15	1,314.00



LF3110

### Series LF3110-LF

#### Flange Only

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LF3110-LF	0121303	2 1/2	098268582598	1	6.2	532.00
	LF3110-LF	0009889	3	098268430448	1	8.3	762.50
	LF3110-LF	0121305	4	098268582611	1	13	1,091.00

### Series INS-KIT

#### Bolt Insulators - For Insulating Flange Bolts

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
INS-KIT	0889142	1/2	098268267792	1	1.1	10.25
INS-KIT	0889144	5/8	098268267785	1	1.6	11.50
INS-KIT	0889146	3/4	098268267778	1	2	12.75
INS-KIT	0889148	7/8	098268267761	1	2	12.75

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Dial Pressure Gauges

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Bottom Entry Series LFDPG1

#### Dial Size: 2"



LFDPG1-2

LEAD FREE*	LFDPG1-2 0-60	0121632	1/4 NPT	098268588057	36	6.7	\$ 37.25
	LFDPG1-2 0-100	0121633	1/4 NPT	098268588064	36	7.4	37.25
	LFDPG1-2 0-160	0121634	1/4 NPT	098268588071	36	6.7	37.25
	LFDPG1-2 0-200	0121635	1/4 NPT	098268588088	36	6.7	37.25

#### Dial Size: 2 1/2"



LFDPG1-2 1/2

LEAD FREE*	LFDPG1-2 1/2 0-15	0121637	1/4 NPT	098268588101	24	5.5	40.75
	LFDPG1-2 1/2 0-30	0121638	1/4 NPT	098268588118	24	5.5	40.75
	LFDPG1-2 1/2 0-60	0121639	1/4 NPT	098268588323	24	5.5	40.75
	LFDPG1-2 1/2 0-100	0121640	1/4 NPT	098268588330	24	6.1	40.75
	LFDPG1-2 1/2 0-160	0121641	1/4 NPT	098268588378	24	5.5	40.75
	LFDPG1-2 1/2 0-200	0121642	1/4 NPT	098268588446	24	5.5	40.75
	LFDPG1-2 1/2 0-300	0121643	1/4 NPT	098268588453	24	5.5	40.75

#### Dial Size: 3"



LFDPG1-3

LEAD FREE*	LFDPG1-3 0-60	0121646	1/4 NPT	098268588552	18	6.0	54.50
	LFDPG1-3 0-100	0121647	1/4 NPT	098268588569	18	5.4	54.50
	LFDPG1-3 0-160	0121648	1/4 NPT	098268588576	18	0.6	54.50
	LFDPG1-3 0-200	0121649	1/4 NPT	098268588583	18	5.5	54.50
	LFDPG1-3 0-300	0121650	1/4 NPT	098268588590	18	6.0	54.50

#### Dial Size: 4"



DPG1-4

LEAD FREE*	LFDPG1-4 0-30	0121652	1/4 NPT	098268588613	12	5.4	65.25
	LFDPG1-4 0-60	0121653	1/4 NPT	098268588620	12	4.9	65.25
	LFDPG1-4 0-100	0121654	1/4 NPT	098268588637	12	11	65.25
	LFDPG1-4 0-160	0121655	1/4 NPT	098268588644	12	5.4	65.25
	LFDPG1-4 0-200	0121656	1/4 NPT	098268588651	12	5.4	65.25
	LFDPG1-4 0-300	0121657	1/4 NPT	098268588668	12	5.4	65.25

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Dial Pressure Gauges

Model	Ordering Code	Connection Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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LFDPG3-1 1/2

### Center Back Entry Series DPG3 and LFDPG3

#### Dial Size: 1 1/2"

<b>LEAD FREE*</b>	LFDPG3-1 1/2 0-160	0121712	1/8 NPT	098268590364	100	11	\$ 62.75
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#### Dial Size: 2"

<b>LEAD FREE*</b>	LFDPG3-2 0-60	0121697	1/4 NPT	098268590029	100	18	62.75
<b>LEAD FREE*</b>	LFDPG3-2 0-160	0121699	1/4 NPT	098268590043	100	23	62.75



LFDPG3

### Top Entry Series DPG5 and LFDPG5

#### Dial Size: 2"

<b>LEAD FREE*</b>	LFDPG5-2 0-160	0121713	1/8 NPT	098268590371	36	7.2	62.75
<b>LEAD FREE*</b>	LFDPG5-2 0-160	0121691	1/4 NPT	098268589924	36	6.5	62.75



LFDPG5

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Combination Pressure/Temperature Gauges

Model	Ordering Code	Connection Size (in.)	Temperature Range (°F)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Bottom Entry

#### Series LFDPTG-1

##### Dial Size: 3"



LFDPTG-1

LEAD FREE*	LFDPTG1-3 0-50	0121663	1/2 NPT	60 – 320	098268589122	40	21	\$ 176.00
	LFDPTG1-3 0-75	0121664	1/2 NPT	60 – 320	098268589139	50	21	176.00
	LFDPTG1-3 0-200	0121665	1/2 NPT	60 – 320	098268589146	50	26	176.00

### Center Back Entry – Includes 1/4" x 1/2" DPG-VR Retaining Valve

#### Series LFDPTG-3

##### Dial Size: 3"



LFDPTG3-3

LEAD FREE*	LFDPTG3-3 0-50	0121660	1/2 NPT	60 – 320	098268588989	40	17	171.50
	LFDPTG3-3 0-75	0121661	1/2 NPT	60 – 320	098268589092	40	22	171.50
	LFDPTG3-3 0-200	0121662	1/2 NPT	60 – 320	098268589115	40	18	171.50

##### Dial Size: 2 1/2"

LEAD FREE*	LFDPTG3-2 1/2 0-50	0121685	1/2 NPT	60 – 320	098268589481	50	18	149.50
	LFDPTG3-2 1/2 0-75	0121686	1/2 NPT	60 – 320	098268589863	50	18	149.50
	LFDPTG3-2 1/2 0-75	0121722	1/4 NPT	60 – 320	098268590708	50	16	149.50
	LFDPTG3-2 1/2 0-200	0121687	1/2 NPT	60 – 320	098268589870	50	24	149.50

#### Series LFDPTG3L

##### Dial Size: 2 1/2" \*

LEAD FREE*	LFDPTG3A-2 1/2 0-75	0121723	1/4 NPT	60 – 320	098268590719	40	21	171.50
	LFDPTG3L-2 1/2 0-75	0121724	1/4 NPT	60 – 320	098268590760	40	21	173.00

\*Do not include DPG-VR Retaining Valve

## Temperature Gauges



276H300



IWTG-Gas-2



IWTG-NYC



IWTG-HTX

Model	Ordering Code	Connection Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Hose Connection Gauges

#### Series 276H300

**Dial Size: 2 1/2"**

276H300 0-300	0069721	3/4 H.T.	098268007947	24	9.6	\$ 72.00
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#### Series IWTG

**Dial Size: 2 1/2"**

IWTG 0-200	0069770	3/4 H.T.	098268847444	8	5.4	54.75
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### Air Test Assembly Gauges

#### Series IWTG-Gas-2

IWTG-GAS-2 0-30	0069780	3/4	098268182842	100	82	37.00
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IWTG-GAS-2 0-100	0069782	3/4	098268182866	100	82	37.00
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#### Series IWTG-NYC

**Dial Size: 2 1/2", 2% Accuracy**

IWTG-NYC 0-5	0069786	3/4	098268258561	20	25	267.00
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IWTG-NYC 0-10	0069785	3/4	098268258585	10	13	267.00
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#### Series IWTG-HTX

**Dial Size: 4", 1% Accuracy**

IWTG-HTX 0-10	0069787	3/4	098268258578	10	14	357.50
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\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.

## Temperature Gauges

Model	Ordering Code	Probe Length Size (in.)	Temperature Range (°F)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Center Back Entry - Includes 1/2" NPT Thermowell With Set Screw Series LFTB

#### Dial Size: 1 1/2"

<b>LEAD FREE*</b>	LFTB-1 1/2-1	0121666	1	32-176	098268045536	24	5.8	\$ 42.00
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#### Dial Size: 2 1/2"

<b>LEAD FREE*</b>	LFTB-2 1/2-2	0121667	2	32 - 140	098268589191	12	4.6	85.00
	LFTB-2 1/2-2	0121668	2	32 - 248	098268589283	12	5.1	85.00
	LFTB-2 1/2-4	0121669	4	32 - 248	098268589290	12	5.1	85.75

#### Dial Size: 3"

<b>LEAD FREE*</b>	LFTB-3-2	0121670	2	-22 - 122	098268589337	12	6.3	158.50
	LFTB-3-2	0121672	2	32 - 248	098268589351	12	6.1	158.50

#### Dial Size: 4"

<b>LEAD FREE*</b>	LFTB-4-4	0121676	4	32 - 248	098268589399	4	3.4	223.00
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### Bottom Entry - includes 1/2" NPT snap in thermowell Series TBR and LFTBR

#### Dial Size: 3"

<b>LEAD FREE*</b>	LFTB-3-2	0121679	2	32 - 248	098268589429	8	5.5	274.50
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### Pipe Mount

#### Series LFTBP-M

#### Spring Mount - Dial Size: 2 1/2"

<b>LEAD FREE*</b>	LFTBP-M-2 1/2	0615658	2 1/2"	32 - 248	098268045857	16	0.3	99.75
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#### Series LFTBP-F

#### Strap Mount - Dial Size: 2 1/2"

	LFTBP-F 2 1/2	0615659	-	32 - 248	098268045864	14	4.9	99.75
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### Series TBC

#### Chimney Mount - Dial Size: 2 1/2"

<b>LEAD FREE*</b>	TBC-2 1/2-12	0615663	12	32 - 932	098268045901	16	18	87.50
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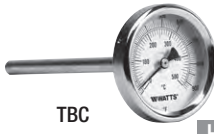
LFTB



TBR



LFTBP-M



TBC



## T&P Test Plugs and Accessories

Model	Ordering Code	Probe Length Size (in.)	Temperature Range (°F)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Liquid Fill Thermometers

#### 9" Adjustable Angle Series TA

LEAD FREE*	Model	Ordering Code	Probe Length Size (in.)	Temperature Range (°F)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFTA-9-3.5	0121727	3 1/2	0 – 120	098268590838	25	41	\$ 414.50
	LFTA-9-3.5	0121728	3 1/2	0 – 160	098268590845	25	40	414.50
	LFTA-9-3.5	0121729	3 1/2	30 – 240	098268590852	25	41	414.50
	LFTA-9-6	0121732	6	30 – 240	098268590883	25	50	652.50

#### 5" Angle Series TL

LEAD FREE*	Model	Ordering Code	Probe Length Size (in.)	Temperature Range (°F)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFTL-5-2	0121735	5/16	30 – 240	098268590913	20	10.5	218.50



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Temperature or Pressure Test Plugs Series LFTP

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFTP-N (Neoprene)	0123012	1/4 Brass	098268650440	180	18	\$ 43.50
	LFTP-E (EPDM)	0123005	1/4 Brass	098268650358	180	5.4	60.50
	LFTP-V (Viton®)	0123008	1/4 Brass	098268650396	180	1.8	86.75
	LFTP-N (Neoprene)	0123013	1/2 Brass	098268650495	72	11	77.00
	LFTP-E (EPDM)	0123006	1/2 Brass	098268650372	72	14	65.50

#### Extensions

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFTP-X (3")	0123007	1/4 NPT Brass	098268650389	90	18	115.50
	LFTP-X (3")	0123009	1/2 NPT Brass	098268650402	50	15	143.00

### Gauge Adapter Series LFTPG

LEAD FREE*	Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
	LFTP-GA1	0123014	1/4"	098268650518	90	7.9	340.50



Viton® is a registered trademark of DuPont Dow Elastomers

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.  
Consult factory for ordering code numbers of special models/options.



# Anti-Scale System

## OneFlow®



OF744 OF1252 OF1465



OF817 OF1019



OF110 OF210



OF-TWH-RM

Model	Ordering Code	Connection Option or Description	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Cold Water Tank Systems

OF744-10-A	0002100	3/4 Sweat	098268360677	1	22	\$ 2,082.00
OF744-10-B	0002101	1 Sweat	098268360684	1	22	2,082.00
OF744-10-C	0002102	1 Plastic MPT	098268360691	1	22	2,082.00
OF744-10-D	0002103	1 1/4 Plastic MPT	098268360707	1	22	2,082.00
OF744-10-E	0002104	1 Plastic MPT 90° Elbow	098268360714	1	22	2,082.00
OF844-12-A	0002105	3/4 Sweat	098268360721	1	25	2,278.00
OF844-12-B	0002106	1 Sweat	098268360738	1	25	2,278.00
OF844-12-C	0002107	1 Plastic MPT	098268360745	1	25	2,278.00
OF844-12-D	0002108	1 1/4 Plastic MPT	098268360752	1	25	2,278.00
OF844-12-E	0002109	1 Plastic MPT 90° Elbow	098268360769	1	25	2,278.00
OF948-16-A	0002110	3/4 Sweat	098268360776	1	29	2,668.00
OF948-16-B	0002111	1 Sweat	098268360783	1	29	2,668.00
OF948-16-C	0002112	1 Plastic MPT	098268360790	1	29	2,668.00
OF948-16-D	0002113	1 1/4 Plastic MPT	098268360806	1	29	2,668.00
OF948-16-E	0002114	1 Plastic MPT 90° Elbow	098268360813	1	29	2,668.00
OF1054-20-A	0002115	3/4 Sweat	098268360820	1	35	3,169.00
OF1054-20-B	0002116	1 Sweat	098268360837	1	35	3,169.00
OF1054-20-C	0002117	1 Plastic MPT	098268360844	1	35	3,169.00
OF1054-20-D	0002118	1 1/4 Plastic MPT	098268360851	1	35	3,169.00
OF1054-20-E	0002119	1 Plastic MPT 90° Elbow	098268360868	1	35	3,169.00
OF1465-50	0002125	2 Socket (plastic sweat)	098268360929	1	79	9,985.00
OF1665-75	0002126	2 Socket (plastic sweat)	098268360936	1	97	12,619.00

LEAD FREE\*

### Hot Water Tank Systems

OF817-8H-B	0002128	1 FNPT	098268360950	1	17	2,739.00
OF817-12H-B	0002133	1 FNPT	098268361001	1	24	3,133.00
OF1019-20H-B	0002138	1 FNPT	098268361056	1	32	4,208.00

### Cold Water Cartridge-based Systems

OF110-1	0002148	OF 1-Housing 10 (1 gpm)	098268361100	1	5.0	591.50
OF120-2	0002149	OF 1-Housing 20 (2 gpm)	098268361117	1	8.0	945.50
OF140-4	0002150	OF 1-Housing BB (4 gpm)	098268361124	1	18	1,610.00

### Cold Water Cartridge-based Filter Systems

OF210-1	0002151	OF 2-Housing 10 (1 gpm)	098268361131	1	9.0	1,108.00
OF220-2	0002152	OF 2-Housing 20 (2 gpm)	098268361148	1	14	1,614.00
OF240-4	0002153	OF 2-Housing BB (4 gpm)	098268361155	1	31	3,128.00

### Tankless Water Heater Systems

OF-TWH	0002182	3/4" FNPT	098268493887	1	5.0	965.50
OF-TWH-R	0002188	3/4" FNPT	098268493894	1	6.0	671.50

### Replacement Media for Tankless Water Heater Systems

OF-TWH-RM	0002183		098268493894	1	6.0	517.00
OF-TWH-RM-R	0002189		098268493894	1	6.0	333.00

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Anti-Scale System

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Consult factory for ordering code numbers of special models/options.



## Anti-Scale System

Model	Ordering Code	Connection Option or Description	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Replacement Media for Cold Water Tank Systems

OF744RM	0002154	OF Media for 744 (10 gpm)	098268361162	1	6.0	\$ 799.50
OF844RM	0002155	OF Media for 844 (12 gpm)	098268361179	1	8.0	960.00
OF948RM	0002156	OF Media for 948 (16 gpm)	098268361186	1	10	1,281.00
OF1054RM	0002157	OF Media for 1054 (20 gpm)	098268361193	1	12	1,601.00
OF1252RM	0002158	OF Media for 1252 (30 gpm)	098268361209	1	15	2,397.00
OF1465RM	0002159	OF Media for 1465 (50 gpm)	098268361216	1	25	3,991.00
OF1665RM	0002160	OF Media for 1665 (75 gpm)	098268361223	1	34	6,060.00

### Replacement Media for Hot Water Tank Systems

OF817-8HRM	0002178	RM for 8 gpm Hot Tank	098268427233	1	5.0	667.50
OF817-12HRM	0002179	RM for 12 gpm Hot Tank	098268427240	1	8.0	960.00
OF1019-20HRM	0002180	RM for 20 gpm Hot Tank	098268427257	1	12	1,601.00
OF1465-75HRM	0002181	RM for 75 gpm Hot Tank	098268427264	1	34	6,060.00

### Replacement Cartridges for Filter Systems

OF110RM	0002161	OF Ctg for 10 housing	098268361230	6	36	249.50
OF120RM	0002162	OF Ctg for 20 housing	098268361247	6	12	404.00
OF140RM	0002163	OF Ctg for BB housing	098268361254	15	60	738.50
OF110RC	0002164	Carbon Block Ctg for 10	098268361261	84	336	42.75
OF120RC	0002165	Carbon Block Ctg for 20	098268361278	42	294	70.00
OF140RC	0002166	Carbon Block Ctg for BB	098268361285	14	98	191.00

### Accessories

CK-V3006	0002167	CK-2-way Bypass valve	098268361292	1	0.8	79.75
CK-V3191-01	0002168	CK-Bypass elbow for vertical	098268361308	1	0.8	39.75
CK-V3007	0002169	CK-1 90° Male NPT	098268361315	1	0.8	21.25
CK-V3007-04	0002172	CK-1 Plastic Male NPT	098268361346	1	0.8	30.00
CK-V3007-05	0002173	CK-1 1/4 Plastic Male NPT	098268361353	1	0.8	32.25

OneFlow®



OF110RC



CK-V3006

LEAD FREE\*

LEAD FREE\*

LEAD FREE\*

# Dormont Gas Connectors

**Dormont**  
A WATTS Brand



30-3132

Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Range Connectors

### SuprSafe Gas Connectors with Standard Fittings

Category A						
30-4141-36	0240588	3/4" MIP x 3/4" MIP x 36"L	662447004418	25	26	\$ 77.63
30-3141-36	0240156	1/2" MIP x 3/4" MIP x 36"L	662447004333	25	25	77.63
30-3131-36	0240146	1/2" MIP x 1/2" MIP x 36"L	662447004326	25	24	77.63
30-3242-36	0240543	1/2" FIP x 3/4" FIP x 36"L	662447004296	25	24	77.63
30-4242-36	0240169	3/4" FIP x 3/4" FIP x 36"L	662447004371	25	25	77.63
30-3232-36	0240164	1/2" FIP x 1/2" FIP x 36"L	662447004272	25	22	77.63
30-3132-36	0240152	1/2" MIP x 1/2" FIP x 36"L	662447004289	25	23	77.63
30-3142-36	0240160	1/2" MIP x 3/4" FIP x 36"L	662447004357	25	24	77.63
30-4141-48	0240678	3/4" MIP x 3/4" MIP x 48"L	662447004586	25	30	98.57
30-3141-48	0240157	1/2" MIP x 3/4" MIP x 48"L	662447004500	25	29	98.57
30-3131-48	0240147	1/2" MIP x 1/2" MIP x 48"L	662447004494	25	28	98.57
30-3242-48	0240649	1/2" FIP x 3/4" FIP x 48"L	662447004463	25	27	98.57
30-4242-48	0240170	3/4" FIP x 3/4" FIP x 48"L	662447004548	25	29	98.57
30-3232-48	0240165	1/2" FIP x 1/2" FIP x 48"L	662447004449	25	26	98.57
30-3132-48	0240153	1/2" MIP x 1/2" FIP x 48"L	662447004456	25	27	98.57
30-3142-48	0240161	1/2" MIP x 3/4" FIP x 48"L	662447004524	25	28	98.57
30-4141-60	0240773	3/4" MIP x 3/4" MIP x 60"L	662447004746	12	17	118.29
30-3141-60	0240158	1/2" MIP x 3/4" MIP x 60"L	662447004661	12	16	118.29
30-3131-60	0240148	1/2" MIP x 1/2" MIP x 60"L	662447004654	12	16	118.29
30-3242-60	0240753	1/2" FIP x 3/4" FIP x 60"L	662447004623	12	16	118.29
30-4242-60	0240171	3/4" FIP x 3/4" FIP x 60"L	662447004708	12	16	118.29
30-3232-60	0240166	1/2" FIP x 1/2" FIP x 60"L	662447004609	12	15	118.29
30-3132-60	0240154	1/2" MIP x 1/2" FIP x 60"L	662447004616	12	15	118.29
30-3142-60	0240162	1/2" MIP x 3/4" FIP x 60"L	662447004685	12	16	118.29
30-4141-72	0240820	3/4" MIP x 3/4" MIP x 72"L	662447004890	12	18	136.76
30-3141-72	0240159	1/2" MIP x 3/4" MIP x 72"L	662447004821	12	18	136.76
30-3131-72	0240149	1/2" MIP x 1/2" MIP x 72"L	662447004814	12	17	136.76
30-3242-72	0240794	1/2" FIP x 3/4" FIP x 72"L	662447004784	12	17	136.76
30-4242-72	0240816	3/4" FIP x 3/4" FIP x 72"L	662447004852	12	18	136.76
30-3232-72	0240783	1/2" FIP x 1/2" FIP x 72"L	662447004760	12	17	136.76
30-3132-72	0240787	1/2" MIP x 1/2" FIP x 72"L	662447004777	12	17	136.76
30-3142-72	0240801	1/2" MIP x 3/4" FIP x 72"L	662447004845	12	18	136.76

### SuprSafe Gas Connectors with Valves

Category A						
30-3135-36	0240778	1/2" MIP x 1/2" FIP Ball Valve x 36"L	662447017111	25	30	136.37
30-3235-48	0240823	1/2" FIP x 1/2" FIP Ball Valve x 48"L	662447017197	25	27	158.13
30-3135-48	0240831	1/2" MIP x 1/2" FIP Ball Valve x 48"L	662447017234	25	27	158.13
30-3235-60	0240893	1/2" FIP x 1/2" FIP Ball Valve x 60"L	662447017326	12	18	180.71
30-3135-60	0240894	1/2" MIP x 1/2" FIP Ball Valve x 60"L	662447017364	12	19	180.71
30-3135-72	0240913	1/2" MIP x 1/2" FIP Ball Valve x 72"L	662447017487	12	20	201.26

## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Range Connectors (cont.)

#### SafetyShield Gas Connectors with Standard Fittings

Category K						
30C-4141-36	0240715	3/4" MIP x 3/4" MIP x 36"L Coated	662447091067	25	26	\$ 80.64
30C-3141-36	0240701	1/2" MIP x 3/4" MIP x 36"L Coated	662447090237	25	25	80.64
30C-3131-36	0240173	1/2" MIP x 1/2" MIP x 36"L Coated	662447089859	25	24	80.64
30C-3242-36	0242451	1/2" FIP x 3/4" FIP x 36"L Coated	662447093603	25	24	80.64
30C-4242-36	0240711	3/4" FIP x 3/4" FIP x 36"L Coated	662447091586	25	25	80.64
30C-3232-36	0240182	1/2" FIP x 1/2" FIP x 36"L Coated	662447091500	25	22	80.64
30C-3132-36	0240178	1/2" MIP x 1/2" FIP x 36"L Coated	662447090558	25	23	80.64
30C-3142-36	0242413	1/2" MIP x 3/4" FIP x 36"L Coated	662447092439	25	24	80.64
30C-4141-48	0240774	3/4" MIP x 3/4" MIP x 48"L Coated	662447091074	25	30	102.81
30C-3141-48	0240180	3/4" MIP x 3/4" MIP x 48"L Coated	662447089866	25	29	102.81
30C-3131-48	0240174	1/2" MIP x 3/4" MIP x 48"L Coated	662447090503	25	28	102.81
30C-3242-48	0240754	1/2" MIP x 1/2" MIP x 48"L Coated	662447093672	25	27	102.81
30C-4242-48	0240771	1/2" FIP x 3/4" FIP x 48"L Coated	662447091593	25	29	102.81
30C-3232-48	0240724	3/4" FIP x 3/4" FIP x 48"L Coated	662447091517	25	26	102.81
30C-3132-48	0240179	1/2" FIP x 1/2" FIP x 48"L Coated	662447090565	25	27	102.81
30C-3142-48	0240181	1/2" MIP x 1/2" FIP x 48"L Coated	662447092392	25	28	102.81
30C-4141-60	0240848	3/4" MIP x 3/4" FIP x 60"L Coated	662447091081	12	17	122.96
30C-3131-60	0240175	3/4" MIP x 3/4" MIP x 60"L Coated	662447091265	12	16	122.96
30C-3242-60	0240824	1/2" MIP x 3/4" MIP x 60"L Coated	662447105368	12	16	122.96
30C-4242-60	0240846	1/2" MIP x 1/2" MIP x 60"L Coated	662447091609	12	16	122.96
30C-3232-60	0240804	1/2" FIP x 3/4" FIP x 60"L Coated	662447091524	12	15	122.96
30C-3132-60	0240807	3/4" FIP x 3/4" FIP x 60"L Coated	662447091388	12	15	122.96
30C-3142-60	0240835	1/2" FIP x 1/2" FIP x 60"L Coated	662447101193	12	16	122.96
30C-4132-60	0240825	1/2" MIP x 1/2" FIP x 60"L Coated	662447094921	12	16	122.96
30C-3141-72	0240877	3/4" MIP x 3/4" FIP x 72"L Coated	662447091166	12	18	142.32
30C-3131-72	0240859	3/4" MIP x 3/4" FIP x 72"L Coated	662447091272	12	17	142.32
30C-3242-72	0240870	3/4" FIP x 3/4" FIP x 72"L Coated	662447107416	12	17	142.32
30C-4242-72	0240887	1/2" FIP x 3/4" FIP x 72"L Coated	662447091616	12	18	142.32
30C-3232-72	0240855	3/4" FIP x 1/2" FIP x 72"L Coated	662447091531	12	17	142.32
30C-3132-72	0240857	1/2" FIP x 1/2" FIP x 72"L Coated	662447091395	12	17	142.32
30C-3142-72	0240873	3/4" MIP x 3/4" FIP x 72"L Coated	662447093504	12	18	142.32

#### SafetyShield Gas Connectors with Valves

Category K						
30C-3235-36	0242419	1/2" FIP x 1/2" FIP Ball Valve x 36"L	662447091678	25	38	141.91
30C-3135-36	0240854	1/2" MIP x 1/2" FIP Ball Valve x 36"L	662447091739	25	30	141.91
30C-3235-48	0242051	1/2" FIP x 1/2" FIP Ball Valve x 48"L	662447147931	20	27	164.49
30C-3135-48	0240895	1/2" MIP x 1/2" FIP Ball Valve x 48"L	662447091944	20	27	164.49
30C-3235-60	0242052	1/2" FIP x 1/2" FIP Ball Valve x 60"L	662447147948	12	18	187.88
30C-3235-72	0242053	1/2" FIP x 1/2" FIP Ball Valve x 72"L	662447147955	12	20	208.84



## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Furnace Connectors

#### SuprSafe Gas Connectors with Standard Fittings

Category A						
30-3141-12	0240366	1/2" MIP x 3/4" MIP x 12"L	662447003886	25	18	\$ 48.88
30-3131-12	0240343	1/2" MIP x 1/2" MIP x 12"L	662447003879	25	17	48.88
30-4242-12	0240387	3/4" FIP x 3/4" FIP x 12"L	662447003909	25	18	48.88
30-3232-12	0240326	1/2" FIP x 1/2" FIP x 12"L	662447003831	25	16	48.88
30-3132-12	0240335	1/2" MIP x 1/2" FIP x 12"L	662447003848	25	16	48.88
30-3141-18	0240416	1/2" MIP x 3/4" MIP x 18"L	662447004005	25	20	59.13
30-3131-18	0240144	1/2" MIP x 1/2" MIP x 18"L	662447003992	25	18	59.13
30-4242-18	0240441	3/4" FIP x 3/4" FIP x 18"L	662447004036	25	19	59.13
30-3232-18	0240368	1/2" FIP x 1/2" FIP x 18"L	662447003947	25	17	59.13
30-3132-18	0240150	1/2" MIP x 1/2" FIP x 18"L	662447003954	25	18	59.13
30-3141-24	0240463	1/2" MIP x 3/4" MIP x 24"L	662447004159	25	22	68.18
30-3131-24	0240145	1/2" MIP x 1/2" MIP x 24"L	662447004142	25	21	68.18
30-4242-24	0240491	3/4" FIP x 3/4" FIP x 24"L	662447004180	25	22	68.18
30-3232-24	0240163	1/2" FIP x 1/2" FIP x 24"L	662447004098	25	19	68.18
30-3132-24	0240151	1/2" MIP x 1/2" FIP x 24"L	662447004104	25	20	68.18
30-3141-30	0240538	1/2" MIP x 3/4" MIP x 30"L	662447016374	25	23	71.06
30-3131-30	0240493	1/2" MIP x 1/2" MIP x 30"L	662447016381	25	22	71.06
30-4242-30	0240568	3/4" FIP x 3/4" FIP x 30"L	662447016398	25	23	71.06
30-3232-30	0240472	1/2" FIP x 1/2" FIP x 30"L	662447016411	25	21	71.06
30-3132-30	0240483	1/2" MIP x 1/2" FIP x 30"L	662447016428	25	21	71.06
30-4141-36	0240588	3/4" MIP x 3/4" MIP x 36"L	662447004418	25	26	77.63
30-3141-36	0240156	1/2" MIP x 3/4" MIP x 36"L	662447004333	25	25	77.63
30-3131-36	0240146	1/2" MIP x 1/2" MIP x 36"L	662447004326	25	24	77.63
30-3242-36	0240543	1/2" FIP x 3/4" FIP x 36"L	662447004296	25	24	77.63
30-4242-36	0240169	3/4" FIP x 3/4" FIP x 36"L	662447004371	25	25	77.63
30-3232-36	0240164	1/2" FIP x 1/2" FIP x 36"L	662447004272	25	22	77.63
30-3132-36	0240152	1/2" MIP x 1/2" FIP x 36"L	662447004289	25	23	77.63
30-3142-36	0240160	1/2" MIP x 3/4" FIP x 36"L	662447004357	25	24	77.63

#### SuprSafe Connectors with Valves

Category A						
30-3235-12	0240674	1/2" FIP x 1/2" FIP Ball Valve x 12"L	662447028209	25	23	107.18
30-3135-12	0240681	1/2" MIP x 1/2" FIP Ball Valve x 12"L	662447016589	25	23	107.18
30-3135-18	0240155	1/2" MIP x 1/2" FIP Ball Valve x 18"L	662447016701	25	24	119.93
30-3235-24	0240729	1/2" FIP x 1/2" FIP Ball Valve x 24"L	662447016787	25	26	127.72
30-3135-24	0240735	1/2" MIP x 1/2" FIP Ball Valve x 24"L	662447016824	25	26	127.72
30-3135-30	0240767	1/2" MIP x 1/2" FIP Ball Valve x 30"L	662447016992	25	28	128.14
30-3135-36	0240778	1/2" MIP x 1/2" FIP Ball Valve x 36"L	662447017111	25	30	136.37

# Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Furnace Connectors (cont.)

### SafetyShield Gas Connectors with Standard Fittings

Category K						
30C-3141-12	0240485	1/2" MIP x 3/4" MIP x 12"L	662447091111	25	18	\$ 50.81
30C-3131-12	0240455	1/2" MIP x 1/2" MIP x 12"L	662447090152	25	17	50.81
30C-4242-12	0240522	3/4" FIP x 3/4" FIP x 12"L	662447091548	25	18	50.81
30C-3232-12	0240434	1/2" FIP x 1/2" FIP x 12"L	662447091463	25	16	50.81
30C-3132-12	0240442	1/2" MIP x 1/2" FIP x 12"L	662447090510	25	16	50.81
30C-3141-18	0240560	1/2" MIP x 3/4" MIP x 18"L	662447091128	25	20	61.69
30C-3131-18	0240521	1/2" MIP x 1/2" MIP x 18"L	662447090473	25	18	61.69
30C-4242-18	0240590	3/4" FIP x 3/4" FIP x 18"L	662447091555	25	19	61.69

### SafetyShield Gas Connectors with Standard Fittings

Category K						
30C-3232-18	0240495	1/2" FIP x 1/2" FIP x 18"L	662447091470	25	17	61.69
30C-3132-18	0240176	1/2" MIP x 1/2" FIP x 18"L	662447090527	25	18	61.69
30C-3141-24	0240615	1/2" MIP x 3/4" MIP x 24"L	662447091135	25	22	70.55
30C-3131-24	0240172	1/2" MIP x 1/2" MIP x 24"L	662447090480	25	21	70.55
30C-4242-24	0240633	3/4" FIP x 3/4" FIP x 24"L	662447091562	25	22	70.55
30C-3232-24	0240564	1/2" FIP x 1/2" FIP x 24"L	662447091487	25	19	70.55
30C-3132-24	0240177	1/2" MIP x 1/2" FIP x 24"L	662447090534	25	20	70.55
30C-3141-30	0240666	1/2" MIP x 3/4" MIP x 30"L	662447091142	25	23	74.18
30C-3131-30	0240639	1/2" MIP x 1/2" MIP x 30"L	662447090497	25	22	74.18
30C-4242-30	0240684	3/4" FIP x 3/4" FIP x 30"L	662447091579	25	23	74.18
30C-3232-30	0240622	1/2" FIP x 1/2" FIP x 30"L	662447091494	25	21	74.18
30C-3132-30	0240628	1/2" MIP x 1/2" FIP x 30"L	662447090541	25	21	74.18
30C-4141-36	0240715	3/4" MIP x 3/4" MIP x 36"L	662447091067	25	26	80.64
30C-3141-36	0240701	1/2" MIP x 3/4" MIP x 36"L	662447090237	25	25	80.64
30C-3131-36	0240173	1/2" MIP x 1/2" MIP x 36"L	662447089859	25	24	80.64
30C-3242-36	0242451	1/2" FIP x 3/4" FIP x 36"L	662447093603	25	24	80.64
30C-4242-36	0240711	3/4" FIP x 3/4" FIP x 36"L	662447091586	25	25	80.64
30C-3232-36	0240182	1/2" FIP x 1/2" FIP x 36"L	662447091500	25	22	80.64
30C-3132-36	0240178	1/2" MIP x 1/2" FIP x 36"L	662447090558	25	23	80.64
30C-3142-36	0242413	1/2" MIP x 3/4" FIP x 36"L	662447092439	25	24	80.64

### SafetyShield Gas Connectors with Valves and Elbows

Category K						
30C-3235-12	0242049	1/2" FIP x 1/2" FIP Ball Valve x 12"L	662447147917	25	23	111.68
30C-3135-12	0240749	1/2" MIP x 1/2" FIP Ball Valve x 12"L	662447091906	25	23	111.68
30C-3235-18	0240776	1/2" FIP x 1/2" FIP Ball Valve x 18"L	662447111406	25	24	124.58
30C-3135-18	0240782	1/2" MIP x 1/2" FIP Ball Valve x 18"L	662447091913	25	24	124.58
30C-3235-24	0242418	1/2" FIP x 1/2" FIP Ball Valve x 24"L	662447107096	25	26	132.65
30C-3135-24	0240799	1/2" MIP x 1/2" FIP Ball Valve x 24"L	662447091920	25	26	132.65
30C-3235-30	0242050	1/2" FIP x 1/2" FIP Ball Valve x 30"L	662447147924	25	27	133.45
30C-3235-36	0242419	1/2" FIP x 1/2" FIP Ball Valve x 36"L	662447091678	25	38	141.91
30C-3135-36	0240854	1/2" MIP x 1/2" FIP Ball Valve x 36"L	662447091739	25	30	141.91



# Dormont Gas Connectors

**Dormont**  
A WATTS Brand



20-3131



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Dryer Connectors

### SuprSafe Gas Connectors with Standard Fittings

Category I						
20-3131-36	0240119	1/2" MIP x 1/2" MIP x 36"L	662447002513	25	19	\$ 76.79
20-2131-36	0240403	3/8" MIP x 1/2" MIP x 36"L	662447002575	25	17	76.79
20-2232-36	0240364	3/8" FIP x 1/2" FIP x 36"L	662447002537	25	17	76.79
20-3122-36	0240372	1/2" MIP x 3/8" FIP x 36"L	662447002544	25	18	76.79
20-3132-36	0240126	1/2" MIP x 1/2" FIP x 36"L	662447002483	25	19	76.79
20-3131-48	0240120	1/2" MIP x 1/2" MIP x 48"L	662447002643	25	22	92.82
20-2131-48	0240487	3/8" MIP x 1/2" MIP x 48"L	662447002704	25	20	92.82
20-2232-48	0240449	3/8" FIP x 1/2" FIP x 48"L	662447002667	25	21	92.82
20-3122-48	0240458	1/2" MIP x 3/8" FIP x 48"L	662447002674	25	21	92.82
20-3132-48	0240127	1/2" MIP x 1/2" FIP x 48"L	662447002612	25	22	92.82
20-3131-60	0240121	1/2" MIP x 1/2" MIP x 60"L	662447002773	12	13	113.76
20-2131-60	0242455	3/8" MIP x 1/2" MIP x 60"L	662447002834	12	12	113.76
20-2232-60	0240601	3/8" FIP x 1/2" FIP x 60"L	662447002797	12	12	113.76
20-3122-60	0240586	1/2" MIP x 3/8" FIP x 60"L	662447002803	12	12	113.76
20-3132-60	0240128	1/2" MIP x 1/2" FIP x 60"L	662447002742	12	12	113.76
20-3131-72	0240122	1/2" MIP x 1/2" MIP x 72"L	662447002902	12	14	129.79
20-2131-72	0242458	3/8" MIP x 1/2" MIP x 72"L	662447002964	12	14	129.79
20-3122-72	0240680	1/2" MIP x 3/8" FIP x 72"L	662447002933	12	14	129.79
20-3132-72	0240129	1/2" MIP x 1/2" FIP x 72"L	662447002872	12	14	129.79

### SuprSafe Gas Connectors with Valves

Category I						
20-3135-36	0240132	1/2" MIP x 1/2" FIP Ball Valve x 36"L	662447017791	25	26	119.51
20-3135-48	0240747	1/2" MIP x 1/2" FIP Ball Valve x 48"L	662447017838	25	28	137.58
20-3135-60	0240809	1/2" MIP x 1/2" FIP Ball Valve x 60"L	662447017876	12	16	160.57
20-3135-72	0240853	1/2" MIP x 1/2" FIP Ball Valve x 72"L	662447017913	12	18	177.43

### SafetyShield Gas Connectors with Standard Fittings

Category K						
20C-3131-36	0240137	1/2" MIP x 1/2" MIP x 36"L Coated	662447090848	25	19	79.83
20C-2131-36	0240559	3/8" MIP x 1/2" MIP x 36"L Coated	662447103371	25	17	79.83
20C-2232-36	0240506	3/8" FIP x 1/2" FIP x 36"L Coated	662447093412	25	17	79.83
20C-3122-36	0240512	1/2" MIP x 3/8" FIP x 36"L Coated	662447103302	25	18	79.83
20C-3132-36	0240141	1/2" MIP x 1/2" FIP x 36"L Coated	662447090695	25	19	79.83
20C-3131-48	0240138	1/2" MIP x 1/2" MIP x 48"L Coated	662447090855	25	22	96.35
20C-2131-48	0240643	3/8" MIP x 1/2" MIP x 48"L Coated	662447104538	25	20	96.35
20C-2232-48	0240608	3/8" FIP x 1/2" FIP x 48"L Coated	662447093429	25	21	96.35
20C-3122-48	0240618	1/2" MIP x 3/8" FIP x 48"L Coated	662447096055	25	21	96.35
20C-3132-48	0240142	1/2" MIP x 1/2" FIP x 48"L Coated	662447090701	25	22	96.35
20C-3131-60	0240741	1/2" MIP x 1/2" MIP x 60"L Coated	662447090862	12	13	118.55
20C-2131-60	0240727	3/8" MIP x 1/2" MIP x 60"L Coated	662447092880	12	12	118.55
20C-2232-60	0240709	3/8" FIP x 1/2" FIP x 60"L Coated	662447107782	12	12	118.55
20C-3122-60	0240713	1/2" MIP x 3/8" FIP x 60"L Coated	662447100738	12	12	118.55
20C-3132-60	0240731	1/2" MIP x 1/2" FIP x 60"L Coated	662447087190	12	12	118.55
20C-3131-72	0240791	1/2" MIP x 1/2" MIP x 72"L Coated	662447090879	12	14	135.06
20C-2131-72	0240786	3/8" MIP x 1/2" MIP x 72"L Coated	662447097687	12	14	135.06
20C-2232-72	0240764	3/8" FIP x 1/2" FIP x 72"L Coated	662447105603	12	14	135.06
20C-3122-72	0240768	1/2" MIP x 3/8" FIP x 72"L Coated	662447116661	12	14	135.06
20C-3132-72	0240788	1/2" MIP x 1/2" FIP x 72"L Coated	662447090718	12	14	135.06

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Dormont Gas Connectors



## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Dryer Connectors (cont.)

#### SafetyShield Gas Connectors with Valves

Category K						
20C-3135-36	0240775	1/2" MIP x 1/2" FIP Ball Valve x 36"L Coated	662447091227	25	26	\$ 124.17
20C-3135-48	0240815	1/2" MIP x 1/2" FIP Ball Valve x 48"L Coated	662447091234	25	29	143.53
20C-3135-60	0240872	1/2" MIP x 1/2" FIP Ball Valve x 60"L Coated	662447091241	12	16	167.72
20C-3135-72	0240905	1/2" MIP x 1/2" FIP Ball Valve x 72"L Coated	662447091258	12	18	184.64

### Water Heater Connectors

#### SuprSafe Gas Connectors with Standard Fittings

Category I						
20-2121-12	0240272	3/8" MIP x 3/8" MIP x 12"L	662447002193	25	9	\$ 47.22
20-3131-12	0240290	1/2" MIP x 1/2" MIP x 12"L	662447002124	25	13	47.22
20-2131-12	0240275	3/8" MIP x 1/2" MIP x 12"L	662447002186	25	11	47.22
20-2222-12	0240256	3/8" FIP x 3/8" FIP x 12"L	662447002162	25	11	47.22
20-3132-12	0240123	1/2" MIP x 1/2" FIP x 12"L	662447002094	25	13	47.22
20-2121-18	0240297	3/8" MIP x 3/8" MIP x 18"L	662447002322	25	10	57.09
20-3131-18	0240117	1/2" MIP x 1/2" MIP x 18"L	662447002254	25	14	57.09
20-2131-18	0240306	3/8" MIP x 1/2" MIP x 18"L	662447002315	25	12	57.09
20-2222-18	0240265	3/8" FIP x 3/8" FIP x 18"L	662447002292	25	12	57.09
20-2232-18	0240284	3/8" FIP x 1/2" FIP x 18"L	662447002278	25	13	57.09
20-3132-18	0240124	1/2" MIP x 1/2" FIP x 18"L	662447002223	25	14	57.09
20-2121-24	0240316	3/8" MIP x 3/8" MIP x 24"L	662447002452	25	12	64.89
20-3131-24	0240118	1/2" MIP x 1/2" MIP x 24"L	662447002384	25	16	64.89
20-2131-24	0240327	3/8" MIP x 1/2" MIP x 24"L	662447002445	25	14	64.89
20-2222-24	0240286	3/8" FIP x 3/8" FIP x 24"L	662447002421	25	13	64.89
20-2232-24	0240307	3/8" FIP x 1/2" FIP x 24"L	662447002407	25	14	64.89
20-3132-24	0240125	1/2" MIP x 1/2" FIP x 24"L	662447002353	25	16	64.89
20-3131-30	0240378	1/2" MIP x 1/2" MIP x 30"L	662447017548	25	18	69.42
20-2131-30	0242331	3/8" MIP x 1/2" MIP x 30"L	662447017555	25	16	69.42
20-2232-30	0240337	3/8" FIP x 1/2" FIP x 30"L	662447017586	25	16	69.42
20-3132-30	0240370	1/2" MIP x 1/2" FIP x 30"L	662447017623	25	17	69.42

#### SuprSafe Gas Connectors with Valves

Category I						
20-3135-12	0240553	1/2" MIP x 1/2" FIP Ball Valve x 12"L	662447017630	25	20	90.35
20-3135-18	0240130	1/2" MIP x 1/2" FIP Ball Valve x 18"L	662447017678	25	21	100.21
20-3135-24	0240131	1/2" MIP x 1/2" FIP Ball Valve x 24"L	662447017715	25	23	108.42
20-3135-30	0240675	1/2" MIP x 1/2" FIP Ball Valve x 30"L	662447017753	25	24	111.29



## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Water Heater Connectors (cont.)

#### SafetyShield Gas Connectors with Standard Fittings

Category K						
20C-3131-12	0240365	1/2" MIP x 1/2" MIP x 12"L Coated	662447090800	25	13	\$ 48.78
20C-2131-12	0242143	3/8" MIP x 1/2" MIP x 12"L Coated	662447148693	25	11	48.78
20C-2222-12	0240305	3/8" FIP x 3/8" FIP x 12"L Coated	662447104088	25	11	48.78
20C-2232-12	0242161	3/8" FIP x 1/2" FIP x 12"L Coated	662447148860	25	12	48.78
20C-3132-12	0240354	1/2" MIP x 1/2" FIP x 12"L Coated	662447090657	25	13	48.78
20C-3131-18	0240135	1/2" MIP x 1/2" MIP x 18"L Coated	662447090817	25	14	59.26
20C-2222-18	0242156	3/8" FIP x 3/8" FIP x 18"L Coated	662447148815	25	12	59.26
20C-2232-18	0242162	3/8" FIP x 1/2" FIP x 18"L Coated	662447148877	25	13	59.26
20C-3132-18	0240139	1/2" MIP x 1/2" FIP x 18"L Coated	662447090664	25	14	59.26
20C-2121-24	0242365	3/8" MIP x 3/8" MIP x 24"L Coated	662447102770	25	12	67.73
20C-3131-24	0240136	1/2" MIP x 1/2" MIP x 24"L Coated	662447090824	25	16	67.73
20C-2131-24	0240440	3/8" MIP x 1/2" MIP x 24"L Coated	662447104767	25	14	67.73
20C-2222-24	0242372	3/8" FIP x 3/8" FIP x 24"L Coated	662447098165	25	13	67.73
20C-2232-24	0240402	3/8" FIP x 1/2" FIP x 24"L Coated	662447107775	25	14	67.73
20C-3132-24	0240140	1/2" MIP x 1/2" FIP x 24"L Coated	662447090671	25	16	67.73
20C-3131-30	0240520	1/2" MIP x 1/2" MIP x 30"L Coated	662447090831	25	18	72.56
20C-2222-30	0242157	3/8" FIP x 3/8" FIP x 30"L Coated	662447148822	25	15	72.56
20C-2232-30	0242163	3/8" FIP x 1/2" FIP x 30"L Coated	662447117170	25	16	72.56
20C-3132-30	0240509	1/2" MIP x 1/2" FIP x 30"L Coated	662447090688	25	17	72.56

#### SafetyShield Gas Connectors with Valves

Category K						
20C-3135-12	0240665	1/2" MIP x 1/2" FIP Ball Valve x 12"L Coated	662447091180	25	20	93.94
20C-3135-18	0240699	1/2" MIP x 1/2" FIP Ball Valve x 18"L Coated	662447091197	25	21	104.43
20C-3135-24	0240143	1/2" MIP x 1/2" FIP Ball Valve x 24"L Coated	662447091203	25	23	112.49
20C-3135-30	0240752	1/2" MIP x 1/2" FIP Ball Valve x 30"L Coated	662447091210	25	24	116.12

# Dormont Gas Connectors

**Dormont**  
A WATTS Brand



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Space and Wall Heater Connectors

### SuprSafe Gas Connectors with Standard Fittings

Category J						
10-3131-12	0240287	1/2" MIP x 1/2" MIP x 12"L	662447001905	25	13	\$ 43.55
10-3132-12	0240276	1/2" MIP x 1/2" FIP x 12"L	662447001899	25	13	43.55
10-3131-18	0240108	1/2" MIP x 1/2" MIP x 18"L	662447001943	25	14	50.12
10-3132-18	0240296	1/2" MIP x 1/2" FIP x 18"L	662447001936	25	14	50.12
10-3131-18	0240108	1/2" MIP x 1/2" MIP x 18"L	662447001943	25	14	50.12
10-3132-24	0240315	1/2" MIP x 1/2" FIP x 24"L	662447001974	25	15	53.80
10-3131-30	0240353	1/2" MIP x 1/2" MIP x 30"L	662447018163	25	17	58.72
10-3132-30	0240345	1/2" MIP x 1/2" FIP x 30"L	662447018255	25	17	58.72
10-3131-36	0240110	1/2" MIP x 1/2" MIP x 36"L	662447002025	25	18	65.30
10-3132-36	0240112	1/2" MIP x 1/2" FIP x 36"L	662447034163	25	18	65.30
10-3131-48	0240111	1/2" MIP x 1/2" MIP x 48"L	662447002063	25	20	85.84
10-3132-48	0240113	1/2" MIP x 1/2" FIP x 48"L	662447002056	25	20	85.84
10-3131-60	0240599	1/2" MIP x 1/2" MIP x 60"L	662447018408	12	11	101.44
10-3132-60	0240581	1/2" MIP x 1/2" FIP x 60"L	662447018491	12	11	101.44
10-3131-72	0240664	1/2" MIP x 1/2" MIP x 72"L	662447018552	12	12	116.23
10-3132-72	0240652	1/2" MIP x 1/2" FIP x 72"L	662447018644	12	12	116.23

### SuprSafe Gas Connectors with Valves

Category J						
10-3135-12	0240508	1/2" MIP x 1/2" FIP Ball Valve x 12"L	662447018651	25	17	86.25
10-3135-18	0240556	1/2" MIP x 1/2" FIP Ball Valve x 18"L	662447018712	25	18	93.63
10-3135-24	0240595	1/2" MIP x 1/2" FIP Ball Valve x 24"L	662447018774	25	19	96.93
10-3135-36	0240660	1/2" MIP x 1/2" FIP Ball Valve x 36"L	662447018897	25	22	107.60
10-3135-48	0240708	1/2" MIP x 1/2" FIP Ball Valve x 48"L	662447018958	25	24	130.20
10-3135-60	0240769	1/2" MIP x 1/2" FIP Ball Valve x 60"L	662447019016	12	13	146.62
10-3135-72	0242188	1/2" MIP x 1/2" FIP Ball Valve x 72"L	662447019078	12	14	155.65

### SafetyShield Gas Connectors with Standard Fittings

Category K						
10C-3131-12	0240358	1/2" MIP x 1/2" MIP x 12"L Coated	662447092125	25	10	45.56
10C-3132-12	0240348	1/2" MIP x 1/2" FIP x 12"L Coated	662447090572	25	10	45.56
10C-3131-18	0240396	1/2" MIP x 1/2" MIP x 18"L Coated	662447092132	25	11	52.42
10C-3132-18	0240381	1/2" MIP x 1/2" FIP x 18"L Coated	662447090589	25	11	52.42
10C-3131-18	0240396	1/2" MIP x 1/2" MIP x 18"L Coated	662447092132	25	11	52.42
10C-3131-24	0240435	1/2" MIP x 1/2" MIP x 24"L Coated	662447092149	25	13	56.05
10C-3132-24	0240419	1/2" MIP x 1/2" FIP x 24"L Coated	662447090596	25	13	56.05
10C-3131-30	0240482	1/2" MIP x 1/2" MIP x 30"L Coated	662447092156	25	14	60.86
10C-3132-30	0240461	1/2" MIP x 1/2" FIP x 30"L Coated	662447090602	25	14	60.86
10C-3131-36	0240530	1/2" MIP x 1/2" MIP x 36"L Coated	662447092163	25	15	67.73
10C-3132-36	0240507	1/2" MIP x 1/2" FIP x 36"L Coated	662447090619	25	15	67.73
10C-3131-48	0240616	1/2" MIP x 1/2" MIP x 48"L Coated	662447092170	25	17	89.52
10C-3132-48	0240115	1/2" MIP x 1/2" FIP x 48"L Coated	662447090626	25	17	89.52
10C-3132-60	0240700	1/2" MIP x 1/2" FIP x 60"L Coated	662447090633	12	10	105.63
10C-3131-72	0240751	1/2" MIP x 1/2" MIP x 72"L Coated	662447092194	12	11	120.94
10C-3132-72	0240743	1/2" MIP x 1/2" FIP x 72"L Coated	662447090640	12	11	120.94
10C-3135-12	0240629	1/2" MIP x 1/2" FIP Ball Valve x 12"L Coated	662447091975	25	15	89.89
10C-3135-18	0240667	1/2" MIP x 1/2" FIP Ball Valve x 18"L Coated	662447091982	25	16	97.17
10C-3135-24	0240694	1/2" MIP x 1/2" FIP Ball Valve x 24"L Coated	662447091999	25	16	100.80
10C-3135-36	0240734	1/2" MIP x 1/2" FIP Ball Valve x 36"L Coated	662447092019	25	20	112.08
10C-3135-48	0240780	1/2" MIP x 1/2" FIP Ball Valve x 48"L Coated	662447092026	25	22	135.47
10C-3135-60	0240841	1/2" MIP x 1/2" FIP Ball Valve x 60"L Coated	662447092033	12	13	152.39

## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Gas Log Connectors

#### LV Black Coated Gas Connectors with Standard Fittings

##### Category L

20A-2131-12	0240423	1/2" OD x 3/8" MIP x 1/2" MIP x 12" L Black Coated	662447066409	25	11	\$ 50.34
20A-3131-12	0240448	1/2" OD x 1/2" MIP x 1/2" MIP x 12" L Black Coated	662447085110	25	13	50.34
20A-3132-12	0240438	1/2" OD x 1/2" MIP x 1/2" FIP x 12" L Black Coated	662447085158	25	13	50.34
20A-2131-18	0240473	1/2" OD x 3/8" MIP x 1/2" MIP x 18" L Black Coated	662447085004	25	10	60.29
20A-3131-18	0240502	1/2" OD x 1/2" MIP x 1/2" MIP x 18" L Black Coated	662447085127	25	14	60.29
20A-3132-18	0240490	1/2" OD x 1/2" MIP x 1/2" FIP x 18" L Black Coated	662447085165	25	12	60.29
20A-2131-24	0240529	1/2" OD x 3/8" MIP x 1/2" MIP x 24" L Black Coated	662447085011	25	12	71.49
20A-3131-24	0240558	1/2" OD x 1/2" MIP x 1/2" MIP x 24" L Black Coated	662447085134	25	16	71.49
20A-3132-24	0240550	1/2" OD x 1/2" MIP x 1/2" FIP x 24" L Black Coated	662447085172	25	16	71.49
20A-2131-30	0240589	1/2" OD x 3/8" MIP x 1/2" MIP x 30" L Black Coated	662447085028	25	14	76.69
20A-3131-30	0240609	1/2" OD x 1/2" MIP x 1/2" MIP x 30" L Black Coated	662447085141	25	18	76.69
20A-3132-30	0240605	1/2" OD x 1/2" MIP x 1/2" FIP x 30" L Black Coated	662447082225	25	17	76.69
20A-2131-36	0240624	1/2" OD x 3/8" MIP x 1/2" MIP x 36" L Black Coated	662447089132	25	17	84.27
20A-3131-36	0240650	1/2" OD x 1/2" MIP x 1/2" MIP x 36" L Black Coated	662447088425	25	19	84.27
20A-3132-36	0240549	1/2" OD x 1/2" MIP x 1/2" FIP x 36" L Black Coated	662447082232	25	19	84.27
10A-2121-12	0240373	3/8" OD x 3/8" MIP x 3/8" MIP x 12" L Black Coated	662447084625	25	8	46.74
10A-2131-12	0240386	3/8" OD x 3/8" MIP x 1/2" MIP x 12" L Black Coated	662447084663	25	9	46.74
10A-3131-12	0240407	3/8" OD x 1/2" MIP x 1/2" MIP x 12" L Black Coated	662447084816	25	10	46.74
10A-3132-12	0240377	3/8" OD x 1/2" MIP x 1/2" FIP x 12" L Black Coated	662447084854	25	10	46.74
10A-2121-18	0240412	3/8" OD x 3/8" MIP x 3/8" MIP x 18" L Black Coated	662447084632	25	9	53.13
10A-2131-18	0240430	3/8" OD x 3/8" MIP x 1/2" MIP x 18" L Black Coated	662447088289	25	10	53.13
10A-3131-18	0240450	3/8" OD x 1/2" MIP x 1/2" MIP x 18" L Black Coated	662447084823	25	11	53.13
10A-3132-18	0240417	3/8" OD x 1/2" MIP x 1/2" FIP x 18" L Black Coated	662447084861	25	11	53.13
10A-2121-24	0240452	3/8" OD x 3/8" MIP x 3/8" MIP x 24" L Black Coated	662447084649	25	10	59.11
10A-2131-24	0240466	3/8" OD x 3/8" MIP x 1/2" MIP x 24" L Black Coated	662447084687	25	11	59.11
10A-3131-24	0240486	3/8" OD x 1/2" MIP x 1/2" MIP x 24" L Black Coated	662447084830	25	13	59.11
10A-3132-24	0240456	3/8" OD x 1/2" MIP x 1/2" FIP x 24" L Black Coated	662447084878	25	13	59.11
10A-2121-30	0240496	3/8" OD x 3/8" MIP x 3/8" MIP x 30" L Black Coated	662447084656	25	12	64.71





## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Gas Log Connectors (cont.)

#### LV Black Coated Gas Connectors with Standard Fittings

10A-2131-30	0240519	3/8" OD x 3/8" MIP x 1/2" MIP x 30"L Black Coated	662447084694	25	13	\$ 64.71
10A-3131-30	0240547	3/8" OD x 1/2" MIP x 1/2" MIP x 30"L Black Coated	662447084847	25	14	64.71
10A-3132-30	0240504	3/8" OD x 1/2" MIP x 1/2" FIP x 30"L Black Coated	662447082188	25	14	64.71
10A-2121-36	0240546	3/8" OD x 3/8" MIP x 3/8" MIP x 36"L Black Coated	662447087848	25	12	72.28
10A-2131-36	0240566	3/8" OD x 3/8" MIP x 1/2" MIP x 36"L Black Coated	662447092460	25	14	72.28
10A-3131-36	0240587	3/8" OD x 1/2" MIP x 1/2" MIP x 36"L Black Coated	662447088418	25	15	72.28
10A-3132-36	0240551	3/8" OD x 1/2" MIP x 1/2" FIP x 36"L Black Coated	662447082195	25	15	72.28

#### LV Black Coated Gas Connectors with Valves

Category L						
20A-3135-24	0242124	1/2" OD x 1/2" MIP x 1/2" FIP Ball Valve x 24"L Black Coated	662447085240	25	23	117.44
20A-3135-30	0242125	1/2" OD x 1/2" MIP x 1/2" FIP Ball Valve x 30"L Black Coated	662447085257	25	24	121.01
20A-3135-36	0242126	1/2" OD x 1/2" MIP x 1/2" FIP Ball Valve x 36"L Black Coated	662447088883	25	26	137.80
10A-2135-12	0240634	3/8" OD x 3/8" MIP x 1/2" FIP Ball Valve x 12"L Black Coated	662447084885	25	14	89.87
10A-2135-18	0240670	3/8" OD x 3/8" MIP x 1/2" FIP Ball Valve x 18"L Black Coated	662447084892	25	15	97.05
10A-2135-24	0240698	3/8" OD x 3/8" MIP x 1/2" FIP Ball Valve x 24"L Black Coated	662447084908	25	16	105.04
10A-2135-36	0240738	3/8" OD x 3/8" MIP x 1/2" FIP Ball Valve x 36"L Black Coated	662447088876	25	19	124.20

#### WhisperFlex Black Coated Gas Connectors with Standard Fittings

Category M						
20ANW-3132-12	0240561	1/2" OD x 1/2" MIP x 1/2" FIP x 12"L Black Coated WF	662447103968	25	21	70.30
20ANW-3132-18	0240663	1/2" OD x 1/2" MIP x 1/2" FIP x 18"L Black Coated WF	662447103975	25	23	86.27
20ANW-3132-24	0240722	1/2" OD x 1/2" MIP x 1/2" FIP x 24"L Black Coated WF	662447103982	25	26	100.25
10ANW-2132-12	0240462	3/8" OD x 3/8" MIP x 1/2" FIP x 12"L Black Coated WF	662447102619	25	15	58.70
10ANW-2132-18	0240557	3/8" OD x 3/8" MIP x 1/2" FIP x 18"L Black Coated WF	662447102626	25	16	66.70
10ANW-2132-24	0240645	3/8" OD x 3/8" MIP x 1/2" FIP x 24"L Black Coated WF	662447102633	25	17	77.48

## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### High BTU Connectors

#### Antimicrobial PVC Coated Ultraflow Gas Connectors

Category B						
41-4142-12	0240923	3/4" MIP x 3/4" FIP x 12"L PVC coating	662447015407	1	1.4	\$ 139.84
41-4142-18	0240937	3/4" MIP x 3/4" FIP x 18"L PVC coating	662447015070	1	1.5	143.28
41-4142-24	0240186	3/4" MIP x 3/4" FIP x 24"L PVC coating	662447014592	1	1.75	148.63
41-4142-30	0240187	3/4" MIP x 3/4" FIP x 30"L PVC coating	662447014486	1	1.87	162.01
41-4142-36	0240188	3/4" MIP x 3/4" FIP x 36"L PVC coating	662447014936	1	2	175.76
41-4142-48	0240976	3/4" MIP x 3/4" FIP x 48"L PVC coating	662447014509	1	3.3	202.50
41-4142-60	0240997	3/4" MIP x 3/4" FIP x 60"L PVC coating	662447014943	1	4	219.30
41-4142-72	0241035	3/4" MIP x 3/4" FIP x 72"L PVC coating	662447014738	1	5.5	249.88
51-5152-12	0241012	1" MIP x 1" FIP x 12"L PVC coating	662447059494	1	1.8	194.85
51-5152-18	0241018	1" MIP x 1" FIP x 18"L PVC coating	662447051115	1	2.2	200.97
51-5152-24	0241029	1" MIP x 1" FIP x 24"L PVC coating	662447021392	1	2.5	204.02
51-5152-30	0241039	1" MIP x 1" FIP x 30"L PVC coating	662447015346	1	3.1	223.13
51-5152-36	0241051	1" MIP x 1" FIP x 36"L PVC coating	662447014608	1	3.6	241.48
51-5152-48	0241066	1" MIP x 1" FIP x 48"L PVC coating	662447010532	1	4.8	267.46
51-5152-60	0241090	1" MIP x 1" FIP x 60"L PVC coating	662447019436	1	5.2	304.89
51-5152-72	0241118	1" MIP x 1" FIP x 72"L PVC coating	662447015322	1	6	344.61
61-6162-12	0241195	1-1/4" MIP x 1-1/4" FIP x 12"L PVC coating	662447015353	1	3	265.93
61-6162-18	0241205	1-1/4" MIP x 1-1/4" FIP x 18"L PVC coating	662447021859	1	3.4	272.79
61-6162-24	0241215	1-1/4" MIP x 1-1/4" FIP x 24"L PVC coating	662447014783	1	3.7	277.39
61-6162-30	0241228	1-1/4" MIP x 1-1/4" FIP x 30"L PVC coating	662447019450	1	4	301.84
61-6162-36	0241237	1-1/4" MIP x 1-1/4" FIP x 36"L PVC coating	662447019467	1	4.4	320.15
61-6162-48	0241260	1-1/4" MIP x 1-1/4" FIP x 48"L PVC coating	662447019474	1	5.2	356.85
61-6162-60	0241274	1-1/4" MIP x 1-1/4" FIP x 60"L PVC coating	662447019481	1	6	394.30
61-6162-72	0242437	1-1/4" MIP x 1-1/4" FIP x 72"L PVC coating	662447019498	1	6.8	430.95

#### SafetyShield Ultraflow Gas Connectors

Category B						
40C-4142-12	0240884	3/4" MIP x 3/4" FIP x 12"L Coated	662447114100	1	1.75	123.41
40C-4142-18	0240908	3/4" MIP x 3/4" FIP x 18"L Coated	662447109298	1	1.87	139.45
40C-4142-24	0240927	3/4" MIP x 3/4" FIP x 24"L Coated	662447094457	1	2	144.42
40C-4142-30	0240939	3/4" MIP x 3/4" FIP x 30"L Coated	662447107744	1	3	158.18
40C-4142-36	0240950	3/4" MIP x 3/4" FIP x 36"L Coated	662447094464	1	3.3	169.64
40C-4142-48	0240969	3/4" MIP x 3/4" FIP x 48"L Coated	662447094471	1	4	195.62
40C-4142-60	0240986	3/4" MIP x 3/4" FIP x 60"L Coated	662447107430	1	5.5	210.14



## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### SuprSafe Ultraflow Gas Connectors

Category B						
40-4142-12	0240828	3/4" MIP x 3/4" FIP x 12"L	662447005910	1	1	\$ 126.84
40-4142-18	0240866	3/4" MIP x 3/4" FIP x 18"L	662447005941	1	1.15	131.82
40-4142-24	0240185	3/4" MIP x 3/4" FIP x 24"L	662447005972	1	1.35	136.02
40-4142-30	0240924	3/4" MIP x 3/4" FIP x 30"L	662447005996	1	1.55	149.39
40-4142-36	0240935	3/4" MIP x 3/4" FIP x 36"L	662447006016	1	1.87	159.71
40-4142-48	0240955	3/4" MIP x 3/4" FIP x 48"L	662447006047	1	2.27	184.16
40-4142-60	0240973	3/4" MIP x 3/4" FIP x 60"L	662447006078	1	2.35	197.91
40-4142-72	0240987	3/4" MIP x 3/4" FIP x 72"L	662447006108	1	3	224.65
50-5152-12	0240998	1" MIP x 1" FIP x 12"L	662447001158	1	1.1	180.33
50-5152-18	0241010	1" MIP x 1" FIP x 18"L	662447049860	1	1.4	187.21
50-5152-24	0241007	1" MIP x 1" FIP x 24"L	662447001189	1	1.7	191.79
50-5152-30	0241015	1" MIP x 1" FIP x 30"L	662447019429	1	1.9	212.44
50-5152-36	0241026	1" MIP x 1" FIP x 36"L	662447001219	1	2.2	226.19
50-5152-48	0241049	1" MIP x 1" FIP x 48"L	662447001240	1	2.7	249.10
50-5152-60	0241064	1" MIP x 1" FIP x 60"L	662447001271	1	2.85	283.50
50-5152-72	0241088	1" MIP x 1" FIP x 72"L	662447001301	1	3.35	320.15
60-6162-12	0241185	1-1/4" MIP x 1-1/4" FIP x 12"L	662447023143	1	1.7	249.10
60-6162-18	0241192	1-1/4" MIP x 1-1/4" FIP x 18"L	662447041444	1	1.9	253.69
60-6162-24	0241193	1-1/4" MIP x 1-1/4" FIP x 24"L	662447001707	1	2.2	259.04
60-6162-30	0241206	1-1/4" MIP x 1-1/4" FIP x 30"L	662447019443	1	2.4	280.44
60-6162-36	0241223	1-1/4" MIP x 1-1/4" FIP x 36"L	662447001714	1	2.7	295.73
60-6162-48	0241235	1-1/4" MIP x 1-1/4" FIP x 48"L	662447001721	1	3.1	329.34
60-6162-60	0241254	1-1/4" MIP x 1-1/4" FIP x 60"L	662447001738	1	3.67	362.97
60-6162-72	0241259	1-1/4" MIP x 1-1/4" FIP x 72"L	662447001745	1	4.2	397.34

### LP Gas Connectors - 15 PSIG

#### Antimicrobial PVC Coated LP Gas Connectors

Category O						
31P-31P32P-24	0240966	5/8" OD Propane Connector with Fittings (1/2" MIP x 1/2" FIP x 24"L)	662447034620	25	19	\$ 102.26
31P-31P32P-36	0240974	5/8" OD Propane Connector with Fittings (1/2" MIP x 1/2" FIP x 36"L)	662447035252	25	22	118.63
31P-31P32P-48	0240982	5/8" OD Propane Connector with Fittings (1/2" MIP x 1/2" FIP x 48"L)	662447035191	25	26	145.80
31P-31P32P-60	0240994	5/8" OD Propane Connector with Fittings (1/2" MIP x 1/2" FIP x 60"L)	662447035269	12	15	166.97
31P-31P32P-72	0241030	5/8" OD Propane Connector with Fittings (1/2" MIP x 1/2" FIP x 72"L)	662447035276	12	16	187.75





## Dormont Gas Connectors

**Dormont**  
A WATTS Brand



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Portable Outdoor Gas Appliance Connectors

#### PVC Coated for Added Protection

20D-10QD	0241666	3/8" X 10' Portable Outdoor Gas Connector	662447121658	1	3.05	\$ 167.29
20D-12QD	0241667	3/8" X 12' Portable Outdoor Gas Connector	662447121665	1	3.66	175.61
20D-OUTLET	0242501	3/8" Gas Outlet Box	662447151402	1	1.29	290.67
20D-KIT12	0243754	3/8" x 12' Portable Outdoor Gas Connector w/ Gas Outlet Box	662447154595	1	4.95	429.98
30D-10QD	0241668	1/2" x 10' Portable Outdoor Gas Connector	662447121672	1	3.05	220.28
30D-12QD	0241669	1/2" x 12' Portable Outdoor Gas Connector	662447121689	1	3.66	228.61

### Foodservice Moveable Gas Connectors

#### The Dormont Blue Hose™ Antimicrobial PVC Coated

Category G						
1650BP36	0241065	1/2" Safety System Replacement Hose, 36" Length	662447003442	1	1.53	189.53
1650BPQR36	0241173	1/2" Safety System Gas Connector with Restraining Device Kit, 36" Length	662447027271	1	2.5	313.02
1650BP48	0241083	1/2" Safety System Replacement Hose, 48" Length	662447003466	1	2.94	213.93
1650BPQR48	0241184	1/2" Safety System Gas Connector with Restraining Device Kit, 48" Length	662447027288	1	5.6	337.40
1675BP36	0241095	3/4" Safety System Replacement Hose, 36" Length	662447005545	1	2.05	257.01
1675BPQR36	0241233	3/4" Safety System Gas Connector with Restraining Device Kit, 36" Length	662447027325	1	3.47	410.65
1675BP48	0241105	3/4" Safety System Replacement Hose, 48" Length	662447005569	1	3.2	295.77
1675BPQR48	0240116	3/4" Safety System Gas Connector with Restraining Device Kit, 48" Length	662447027226	1	4.16	458.03
16100BP36	0241150	1" Safety System Replacement Hose, 36" Length	662447000793	1	3.43	288.61
16100BPQR36	0241360	1" Safety System Gas Connector with Restraining Device Kit, 36" Length	662447027363	1	5.63	518.33
16100BP48	0241174	1" Safety System Replacement Hose, 48" Length	662447000816	1	4	338.85
16100BPQR48	0241376	1" Safety System Gas Connector with Restraining Device Kit, 48" Length	662447027219	1	6.42	564.27
16125BP36	0241243	1-1/4" Safety System Replacement Hose, 36" Length	662447001523	1	4.8	394.84
16125BPQR36	0241471	1-1/4" Safety System Gas Connector with Restraining Device Kit, 36" Length	662447027400	1	7.4	798.30
16125BP48	0241256	1-1/4" Safety System Replacement Hose, 48" Length	662447001530	1	6.75	478.12
16125BPQR48	0241476	1-1/4" Safety System Gas Connector with Restraining Device Kit, 48" Length	662447028582	1	8.65	883.01

### SnapFast™ Quick-Disconnects

A50R	0241014	1/2" SnapFast Quick-Disconnect	662447067987	1	0.51	99.06
A75R	0241073	3/4" SnapFast Quick-Disconnect	662447068021	1	0.64	137.83
A100R	0241146	1" SnapFast Quick-Disconnect	662447067963	1	1.51	186.64
A125R	0241335	1-1/4" SnapFast Quick-Disconnect	662447041376	1	1.99	389.10

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Dormont Gas Connectors



# Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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## Manufactured Home Gas Connector Kits

### SuprSafe and Antimicrobial PVC Coated Configurations

							Category P
7010-3132	0241071	30-3132-24 SuprSafe (1/2" MIP x 1/2" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447020760	1	1.26	\$ 231.54	
7020-4142	0241023	30-4142-24 SuprSafe (3/4" MIP x 3/4" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447020326	1	2.05	315.59	
7030-4142	0241058	40-4142-24 SuprSafe (3/4" MIP x 3/4" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447020333	1	2.42	408.80	
7110-3132	0241091	31-3132-24 PVC Coated (1/2" MIP x 1/2" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447021880	1	1.66	241.48	
7120-4142	0241043	31-4142-24 PVC Coated (3/4" MIP x 3/4" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447021651	1	2.05	323.24	
7130-4142	0241555	41-4142-24 PVC Coated (3/4" MIP x 3/4" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447022993	1	2.87	424.09	
7021-4142	0241549	30-4142-24 SuprSafe (3/4" MIP x 3/4" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447028520	1	1.6	93.63	
7031-4142	0241005	40-4142-24 SuprSafe (3/4" MIP x 3/4" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447028537	1	2.38	190.27	
7041-5152	0241099	50-5152-24 SuprSafe (1" MIP x 1" FIP), 1/2" quick-disconnect, Dust Cap and Dust Plug	662447057070	1	4.5	243.75	

## Gas Adapters, Shutoff Valves, and Regulators

### Standard Gas Adapters

							Category C
90-3031	0240194	5/8" OD Flare (15/16" - 16 thread) x 1/2" MIP (Tapped 3/8" FIP)	662447000199	25	5.5	8.82	
90-3041	0240196	5/8" OD Flare (15/16" - 16 thread) x 3/4" MIP (Tapped 1/2" FIP)	662447019184	25	6.8	11.14	
90-3032	0240195	5/8" OD Flare (15/16" - 16 thread) x 1/2" FIP	662447000137	25	5	8.35	
90-3042	0240197	5/8" OD Flare (15/16" - 16 thread) x 3/4" FIP	662447000328	25	5.3	10.68	
95-3042	0241568	5/8" OD Flare (15/16" - 16 thread) x 3/4" FIP Elbow	662447023358	25	6.8	18.32	
90-2021	0240206	1/2" OD Flare x 3/8" MIP (Tapped 1/4" FIP)	662447019191	25	4	8.35	
90-2031	0240190	1/2" OD Flare x 1/2" MIP (Tapped 3/8" FIP)	662447007549	25	5.5	7.42	
90-2041	0240192	1/2" OD Flare x 3/4" MIP (Tapped 1/2" FIP)	662447019207	25	5.5	13.47	
90-2022	0240189	1/2" OD Flare x 3/8" FIP	662447019214	25	3.3	7.42	
90-2032	0240191	1/2" OD Flare x 1/2" FIP	662447007525	25	4.3	7.42	
90-2042	0240193	1/2" OD Flare x 3/4" FIP	662447019221	25	5.5	10.22	

## Dormont Gas Connectors



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Gas Adapters, Shutoff Valves, and Regulators (cont.)

#### Standard Gas Adapters

Category C						
90-1021	0240205	3/8" OD Flare x 3/8" MIP (Tapped 1/4" FIP)	662447019238	25	3	\$ 6.51
90-1031	0240210	3/8" OD Flare x 1/2" MIP (Tapped 3/8" FIP)	662447019245	25	5	9.76
90-1022	0240203	3/8" OD Flare x 3/8" FIP	662447019252	25	3	5.58
90-1032	0240209	3/8" OD Flare x 1/2" FIP	662447019269	25	4	9.29
95-1021	0241566	3/8" OD Flare x 3/8" MIP Elbow	662447019276	25	4.2	12.20
90-4041	0240217	1" OD Flare x 3/4" MIP (Tapped 1/2" FIP)	662447019351	10	2.8	12.15
90-4042	0240234	1" OD Flare x 3/4" FIP	662447019368	10	3.5	10.84
90-5051	0240229	1-1/4" OD Flare x 1" MIP (Tapped 3/4" FIP)	662447019375	10	4	26.48
90-5052	0240227	1-1/4" OD Flare x 1" FIP	662447019382	10	3.8	24.28
SAFETYCAP-01	0240202	3/8" SAE Thread (3/8" OD)	662447115930	10	0.8	4.06
SAFETYCAP-02	0240204	1/2" SAE Thread (1/2" OD) Thread (5/8" OD)	662447115947	10	1.3	4.47
SAFETYCAP-03	0240207	5/8" SAE Thread (5/8" OD)	662447115954	10	2	5.30
SAFETYCAP-04	0240208	5/8" OD (15/16" - 16 Thread)	662447115961	10	2.9	5.70

#### Gas Shut-Off Valves

Category D						
92-2222	0240219	3/8" FIP x 3/8" FIP	662447000106	10	3	58.75
92-3232	0240200	1/2" FIP x 1/2" FIP	662447000267	10	3.6	58.75
92-4242	0240201	3/4" FIP x 3/4" FIP	662447000427	10	5.5	77.66
92ST-3232	0240880	1/2" FIP x 1/2" FIP	662447025390	10	4.5	82.04
92ST-4242	0240933	3/4" FIP x 3/4" FIP	662447025383	10	5.7	105.35
91-1032	0240198	3/8" OD Flare x 1/2" FIP	662447019290	10	3.7	67.97
91-2032	0240199	1/2" OD Flare x 1/2" FIP	662447019306	10	4	67.97
91-3032	0240236	5/8" OD Flare (15/16" - 16 thread) x 1/2" FIP	662447019313	10	4.5	75.24
91-3042	0240291	5/8" OD Flare (15/16" - 16 thread) x 3/4" FIP	662447019320	10	5.8	96.12
93-1032	0240269	3/8" OD Flare x 1/2" FIP Angle	662447019344	10	5.1	91.27
93-2032	0240282	3/8" OD Flare x 1/2" FIP Angle	662447089965	10	5.3	112.64
93-3042	0240302	3/8" OD Flare x 1/2" FIP Angle	662447019337	10	6	175.74
94-3232	0240244	1/2" FIP x 1/2" FIP	662447057582	10	5.1	73.92
94-4242	0240342	3/4" FIP x 3/4" FIP	662447057599	10	7.5	106.94
94-5252	0240759	1" FIP x 1" FIP	662447000588	6	7.8	154.74





## Dormont Gas Connectors

**Dormont**<sup>®</sup>

A WATTS Brand



Model	Ordering Code	Size (in.)	UPC	Qty. Per Carton	Weight Per Carton (lbs.)	List Price (each)
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### Gas Appliance and Line Pressure Regulators

#### Category E

RV47LNG-22	0241604	Natural Gas 3/8" Pipe Size, 125,000 BTU per hr, 1/2 p.s.i. inlet pressure, 2.8"-5.2" w.c.	662447021972	1	0.4	\$ 55.60
R48N32-0306-3.5	0241593	Natural Gas 1/2" Pipe Size, 230,000 BTU per hr, 1/2 p.s.i. inlet pressure, 3.0"-6.0" w.c.	662447033647	1	0.54	58.87
R48N42-0306-3.5	0241594	Natural Gas 3/4" Pipe Size, 250,000 BTU per hr, 1/2 p.s.i. inlet pressure, 3.0"-6.0" w.c.	662447033661	1	0.59	58.87
RV61LNG-52*	0241607	Natural Gas 1" Pipe Size, 1,100,000 BTU per hr, 1 p.s.i. inlet pressure, 4.0"-8.0" w.c.	662447027073	1	2.37	215.87
RV61LNG-62*	0241608	Natural Gas 1-1/4" Pipe Size, 1,100,000 BTU per hr, 1 p.s.i. inlet pressure, 4.0"-8.0" w.c.	662447035337	1	2.2	215.87
RV81LNG-72*	0241609	Natural Gas 1-1/2" Pipe Size, 2,500,000 BTU per hr, 1 p.s.i. inlet pressure, 3.0"-8.0" w.c.	662447056943	1	4	461.13
R48P32-0512-10	0241595	LP Gas 3/8" Pipe Size, 200,000 BTU per hr, 1/2 p.s.i. inlet pressure, 8.0"-12.0" w.c.	662447033654	1	0.4	58.87
R48P42-0512-10	0241596	LP Gas 1/2" Pipe Size, 368,000 BTU per hr, 1/2 p.s.i. inlet pressure, 5.0"-12.0" w.c.	662447033678	1	0.6	58.87
RV47CL-33	0241603	Convertible 3/8" Pipe Size, 125,000 NG/200,000 LP BTU per hr, 1/2 p.s.i. inlet pressure, 4.0"-10.0" w.c.	662447056950	1	0.4	60.50
RV48CL-32	0241605	Convertible 1/2" Pipe Size, 230,000 NG/368,000 LP BTU per hr, 1/2 p.s.i. inlet pressure, 5.0"-10.0" w.c.	662447033364	1	0.6	65.41
RV48CL-42	0241606	Convertible 3/4" Pipe Size, 250,000 NG/400,000 LP BTU per hr, 1/2 p.s.i. inlet pressure, 5.0"-10.0" w.c.	662447033371	1	0.54	65.41

### Gas Appliance Pressure Regulators

#### Category E

R325N32-0509-06	0241590	Natural Gas Lever Action Regulator 1/2" Pipe Size, 150,000 BTU per hr, 2 psig inlet pressure, Spring range 5" to 9", spring preset at 6	662447036631	1	0.76	104.68
R325N32-0711-08	0241591	Natural Gas Lever Action Regulator 1/2" Pipe Size, 150,000 BTU per hr, 2 psig inlet pressure, Spring range 7" to 11", spring preset at 8	662447033609	1	0.79	104.68
R325P32-0711-11	0241592	LP Gas Lever Action Regulator 1/2" Pipe Size, 150,000 BTU per hr, 2 psig inlet pressure, Spring range 7" to 11", spring preset at 11	662447033616	1	0.8	104.68
R625N42-0711-08	0241597	Natural Gas Lever Action Regulator 3/4" Pipe Size, 300,000 BTU per hr, 2 psig inlet pressure, Spring range 7" to 11", spring preset at 8	662447033623	1	1.84	215.87
R625P42-0711-11	0241598	LP Gas Lever Action Regulator 3/4" Pipe Size, 300,000 BTU per hr, 2 psig inlet pressure, Spring range 7" to 11", spring preset at 11	662447033630	1	1.9	215.87





## Notes

## Notes



## Notes

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Reliance Worldwide Corporation List Price File

Effective 6/6/22

Description	PART NUMBER	PACK QTY	LIST PRICE
<b>SECTION 1 : THE SHARKBITE® CONNECTION SYSTEM</b>			
<b>SECTION 1-A : SHARKBITE® CORE FITTINGS</b>			
<b>COUPLINGS</b>			
1/4" (3/8" OD) X 1/4" (3/8" OD) Lead Free	U004LF	6	\$13.00
3/8" (1/2" OD) X 3/8" (1/2" OD) Lead Free	U006LF	6	\$12.50
1/2" X 1/2" Lead Free	U008LF	12	\$12.50
3/4" X 3/4" Lead Free	U016LF	12	\$17.00
1" X 1" Lead Free	U020LF	6	\$28.50
SharkBite 1-1/4" 1-1/4" Coupling	UXL0135	1	\$40.50
SharkBite 1-1/2" 1-1/2" Coupling	UXL0141	1	\$54.00
SharkBite 2" x 2" Coupling	UXL0154	1	\$72.00
<b>REDUCING COUPLINGS</b>			
1/4" (3/8" OD) X 1/2" Reducing Lead Free	U050LF	6	\$15.50
3/8" (1/2" OD) X 1/2" Reducing Lead Free	U009LF	6	\$12.50
3/4" X 1/2" Reducing Lead Free	U058LF	12	\$15.00
1" X 3/4" Reducing Lead Free	U060LF	6	\$28.50
SharkBite 1-1/4" x 1" Reducing Coupling	UXL013528	1	\$40.50
SharkBite 1-1/2" x 1" Reducing Coupling	UXL014128	1	\$54.00
SharkBite 1-1/2" x 1-1/4" Reducing Coupling	UXL014135	1	\$54.00
SharkBite 2" x 1-1/2" Reducing Coupling	UXL015441	1	\$72.00
<b>SLIP COUPLINGS (Slip End only suitable for Copper and cPVC)</b>			
1/2" X 1/2" Lead Free	U3008LF	3	\$21.50
3/4" X 3/4" Lead Free	U3016LF	3	\$25.50
1" X 1" Lead Free	U3020LF	1	\$48.00
SharkBite 1-1/4" x 1-1/4" Slip Coupling	UXL0635	1	\$70.00
SharkBite 1-1/2" 1-1/2" Slip Coupling	UXL0641	1	\$94.00
SharkBite 2" x 2" Slip Coupling	UXL0654	1	\$128.00
<b>FEMALE CONNECTORS</b>			
1/4" (3/8" OD) X 1/2" FNPT Reducing Lead Free	U066LF	6	\$13.00
3/8" (1/2" OD) X 1/2" FNPT Reducing Lead Free	U070LF	6	\$10.50
1/2" X 3/4" FNPT Reducing Lead Free	U068LF	6	\$12.00
1/2" X 1/2" FNPT Straight Lead Free	U072LF	12	\$10.50
3/4" X 3/4" FNPT Straight Lead Free	U088LF	6	\$12.00
3/4" X 1/2" FNPT Bullnose Lead Free	U092LF	6	\$12.00
1" X 1" FNPT Straight Lead Free	U094LF	6	\$22.00
SharkBite 1-1/4" x 1-1/4" Female Connector	UXL113532F	1	\$34.00
SharkBite 1-1/2" x 1-1/2" Female Connector	UXL114140F	1	\$49.00
SharkBite 2" x 2" Female Connector	UXL115450F	1	\$66.00
<b>MALE CONNECTORS</b>			
1/4" X 1/2" MNPT Reducing Lead Free	U110LF	6	\$10.50
3/8" (1/2" OD) X 1/2" MNPT Reducing Lead Free	U118LF	6	\$10.50
1/2" X 3/4" MNPT Reducing Lead Free	U116LF	6	\$12.00
1/2" X 1/2" MNPT Straight Lead Free	U120LF	12	\$10.50
3/4" X 3/4" MNPT Straight Lead Free	U134LF	12	\$12.00
3/4" X 1/2" MNPT Bullnose Lead Free	U138LF	12	\$12.00
3/4" X 1" MNPT Straight Lead Free	U139LF	6	\$23.50
1" X 1" MNPT Straight Lead Free	U140LF	6	\$24.00
1" X 3/4" MNPT Reducing Lead Free	U142LF	6	\$24.00
SharkBite 1-1/4" x 1-1/4" Male Connector	UXL113532M	1	\$36.00
SharkBite 1-1/2" x 1-1/2" Male Connector	UXL114140M	1	\$49.00
SharkBite 2" x 2" Male Connector	UXL115450M	1	\$66.00
<b>SLIP ADAPTERS</b>			
1/2" SharkBite Slip Male Adapter	U3120LF	6	\$17.50
3/4" SharkBite Slip Male Adapter	U3134LF	6	\$21.00
1" SharkBite Slip Male Adapter	U3140LF	6	\$41.00
<b>THREADED ADAPTERS</b>			
3/4" CTS X 3/4" FNPT Threaded Lead Free	U766LF	6	\$18.00
1" CTS X 1" FNPT Threaded Lead Free	U772LF	6	\$18.00
<b>90 ELBOWS</b>			
1/4" (3/8" OD) X 1/4" (3/8" OD) Lead Free	U244LF	6	\$11.00
3/8" (1/2" OD) X 3/8" (1/2" OD) Lead Free	U246LF	6	\$14.00
1/2" X 1/2" Lead Free	U248LF	12	\$14.00
3/4" X 3/4" Lead Free	U256LF	6	\$17.50
1" X 1" Lead Free	U260LF	6	\$32.50
SharkBite 1-1/4" 1-1/4" 90 Deg Elbow	UXL0235	1	\$45.50
SharkBite 1-1/2" x 1-1/2" 90 Deg Elbow	UXL0241	1	\$66.00
SharkBite 2" x 2" 90 Deg Elbow	UXL0254	1	\$86.00

<b>90 ELBOWS WITH DRAIN/VENT</b>			
1/2 in. x 1/2 in. x 1/8 in. NPSM	U5248LF	6	\$14.00
3/4 in. x 3/4 in. x 1/8 in. NPSM	U5256LF	6	\$17.50
1 in. x 1 in. x 1/8 in. NPSM	U5260LF	3	\$32.50
<b>45 ELBOWS</b>			
1/2" SharkBite 45-Deg Elbow	U648LF	6	\$17.50
3/4" SharkBite 45-Deg Elbow	U656LF	6	\$22.00
1" SharkBite 45-Deg Elbow	U660LF	6	\$40.50
SharkBite 1-1/4" x 1-1/4" 45 Deg Elbow	UXL0535	1	\$45.50
SharkBite 1-1/2" x 1-1/2" 45 Deg Elbow	UXL0541	1	\$66.00
SharkBite 2" x 2" 45 Deg Elbow	UXL0554	1	\$86.00
<b>FEMALE ELBOWS</b>			
1/2" X 1/2" FNPT Lead Free	U308LF	6	\$14.00
3/4" X 3/4" FNPT Lead Free	U314LF	3	\$22.00
<b>MALE ELBOWS</b>			
1/2" X 1/2" MNPT Lead Free	U280LF	6	\$14.00
3/4" X 3/4" MNPT Lead Free	U286LF	6	\$17.50
<b>REDUCING ELBOWS</b>			
1/2" X 3/8" (1/2" OD) Lead Free	U272LF	12	\$14.00
3/4" X 1/2" Lead Free	U274LF	6	\$17.50
1" X 3/4" Lead Free	U278LF	3	\$30.50
<b>45 Street ELBOWS</b>			
1/2" SharkBite 45-Deg Street Elbow WP	U615LF	6	\$13.00
3/4" SharkBite 45-Deg Street Elbow WP	U620LF	6	\$16.00
SharkBite 1-1/4" x 1-1/4" 45 Deg Street Elbow	UXL0735	1	\$45.50
SharkBite 1-1/2" x 1-1/2" 45 Deg Street Elbow	UXL0741	1	\$66.00
SharkBite 2" x 2" 45 Deg Street Elbow	UXL0754	1	\$86.00
<b>90 Street ELBOWS</b>			
SharkBite 1-1/4" x 1-1/4" 90 Deg Street Elbow	UXL0935	1	\$45.50
SharkBite 1-1/2" x 1-1/2" 90 Deg Street Elbow	UXL0941	1	\$66.00
SharkBite 2" x 2" 90 Deg Street Elbow	UXL0954	1	\$86.00
<b>DROP-EAR ELBOWS</b>			
3/8" (1/2" OD) X 1/2" FNPT Drop Ear Lead Free	U332LF	6	\$14.00
1/2" X 1/2" Drop Ear Lead Free	U249LF	12	\$17.50
1/2" X 1/2" FNPT Drop Ear Lead Free	U334LF	6	\$14.00
3/4" X 3/4" FNPT Drop Ear Lead Free	U340LF	6	\$19.50
<b>HY-EAR EAR ELBOWS</b>			
1/2" X 1/2" Hy-Ear Lead Free	U335LF	6	\$17.00
<b>DISHWASHER ELBOWS</b>			
1/4" (3/8" OD) X 3/8" MNPT Dishwasher Lead Free	U276LF	6	\$17.50
1/4" (3/8" OD) X 3/4" Garden Hose Nut	U2276LF	6	\$22.00
1/2" X 3/8" MNPT Dishwasher Lead Free	U281LF	6	\$17.50
<b>TEES</b>			
1/4" (3/8" OD) X 1/4" (3/8" OD) X 1/4" (3/8" OD) Lead Free	U358LF	6	\$20.00
3/8" (1/2" OD) X 3/8" (1/2" OD) X 3/8" (1/2" OD) Lead Free	U360LF	6	\$19.50
1/2" X 1/2" X 1/2" Lead Free	U362LF	12	\$19.50
3/4" X 3/4" X 3/4" Lead Free	U370LF	6	\$23.00
1" X 1" X 1" Lead Free	U374LF	3	\$43.00
SharkBite 1-1/4" x 1-1/4" x 1-1/4" Equal Tee	UXL0835	1	\$63.00
SharkBite 1-1/2" x 1-1/2" x 1-1/2" Equal Tee	UXL0841	1	\$83.00
SharkBite 2" x 2" x 2" Equal Tee	UXL0854	1	\$110.00
<b>REDUCING TEES</b>			
3/8" (1/2" OD) X 3/8" (1/2" OD) X 1/2" Reducing Lead Free	U364LF	6	\$19.50
1/2" X 1/2" X 1/4" (3/8" OD) Reducing Lead Free	U359LF	6	\$19.50
1/2" X 1/2" X 3/8" (1/2" OD) Reducing Lead Free	U363LF	6	\$19.50
3/4" X 3/4" X 1/2" Reducing Lead Free	U412LF	6	\$23.00
3/4" X 1/2" X 3/4" Reducing Lead Free	U444LF	6	\$23.00
3/4" X 1/2" X 1/2" Reducing Lead Free	U454LF	6	\$23.00
1" X 1" X 3/4" Reducing Lead Free	U416LF	3	\$43.00
SharkBite 1 1/4" x 1/2" x 1 1/4" Reducing Tee	UXL08351635	1	\$63.00
SharkBite 1 1/4" x 3/4" x 1 1/4" Reducing Tee	UXL08352216	1	\$63.00
SharkBite 1 1/4" x 3/4" x 3/4" Reducing Tee	UXL08352222	1	\$63.00
SharkBite 1 1/4" x 3/4" x 1" Reducing Tee	UXL08352228	1	\$63.00
SharkBite 1 1/4" x 3/4" x 1 1/4" Reducing Tee	UXL08352235	1	\$63.00
SharkBite 1 1/4" x 1" x 1 1/4" Reducing Tee	UXL08352816	1	\$63.00
SharkBite 1 1/4" x 1" x 3/4" Reducing Tee	UXL08352822	1	\$63.00
SharkBite 1 1/4" x 1" x 1" Reducing Tee	UXL08352828	1	\$63.00
SharkBite 1-1/4" x 1-1/4" x 1/2" Reducing Tee	UXL08353516	1	\$63.00
SharkBite 1-1/4" x 1-1/4" x 3/4" Reducing Tee	UXL08353522	1	\$63.00

SharkBite 1-1/4" x 1-1/4" x 1" Reducing Tee	UXL08353528	1	\$63.00
SharkBite 1½" x 1" x ¾" Reducing Tee	UXL08412822	1	\$83.00
SharkBite 1½" x 1" x 1" Reducing Tee	UXL08412828	1	\$83.00
SharkBite 1½" x 1" x 1½" Reducing Tee	UXL08412841	1	\$83.00
SharkBite 1½" x 1¼" x ¾" Reducing Tee	UXL08413522	1	\$83.00
SharkBite 1½" x 1¼" x 1" Reducing Tee	UXL08413528	1	\$83.00
SharkBite 1½" x 1¼" x 1½" Reducing Tee	UXL08413535	1	\$83.00
SharkBite 1½" x 1½" x ½" Reduced Tee	UXL08414116	1	\$83.00
SharkBite 1-1/2" x 1-1/2" x ¾" Reducing Tee	UXL08414122	1	\$83.00
SharkBite 1-1/2" x 1-1/2" x 1" Reducing Tee	UXL08414128	1	\$83.00
SharkBite 1-1/2" x 1-1/2" x 1-1/4" Reducing Tee	UXL08414135	1	\$83.00
SharkBite 2" x 1¼" x 1¼" Reducing Tee	UXL08543535	1	\$110.00
SharkBite 2" x 1½" x ¾" Reducing Tee	UXL08544122	1	\$110.00
SharkBite 2" x 1½" x 1" Reducing Tee	UXL08544128	1	\$110.00
SharkBite 2" x 1½" x 1¼" Reducing Tee	UXL08544135	1	\$110.00
SharkBite 2" x 1½" x 1½" Reducing Tee	UXL08544141	1	\$110.00
SharkBite 2" x 1½" x 2" Reducing Tee	UXL08544154	1	\$110.00
SharkBite 2" x 2" x ½" Reduced Tee	UXL08545416	1	\$110.00
SharkBite 2" x 2" x ¾" Reduced Tee	UXL08545422	1	\$110.00
SharkBite 2" x 2" x 1" Reducing Tee	UXL08545428	1	\$110.00
SharkBite 2" x 2" x 1-1/4" Reducing Tee	UXL08545435	1	\$110.00
SharkBite 2" x 2" x 1-1/2" Reducing Tee	UXL08545441	1	\$110.00
<b>FEMALE CENTRE TEES</b>			
¾" X ¾" X ¾" FNPT Lead Free	U462LF	3	\$23.00
1" X 1" X 1" FNPT Lead Free	U464LF	3	\$43.00
SharkBite 1¼" x 1¼" x ½" FNPT Branch Tee	UXL10353515	1	\$63.00
SharkBite 1¼" x 1¼" x ¾" FNPT Branch Tee	UXL10353520	1	\$63.00
SharkBite 1¼" x 1¼" x 1" FNPT Branch Tee	UXL10353525	1	\$63.00
SharkBite 1½" x 1½" x ½" FNPTI Branch Tee	UXL10414115	1	\$83.00
SharkBite 1½" x 1½" x ¾" FNPT Branch Tee	UXL10414120	1	\$83.00
SharkBite 1½" x 1½" x 1" FNPT Branch Tee	UXL10414125	1	\$83.00
SharkBite 2" x 2" x ½ FNPT Branch Tee	UXL10545415	1	\$110.00
SharkBite 2" x 2" x ¾" FNPT Branch Tee	UXL10545420	1	\$110.00
SharkBite 2" x 2" x 1" FNPT Branch Tee	UXL10545425	1	\$110.00
<b>SLIP TEES (Slip End only suitable for Copper and cPVC)</b>			
1/2" X 1/2" X 1/2" Lead Free	U3362LF	3	\$24.00
¾" X ¾" X ¾" Lead Free	U3370LF	3	\$30.00
SharkBite 1-1/4" x 1-1/4" x 1-1/4" Slip Tee	UXL0335	1	\$80.00
SharkBite 1-1/2" x 1-1/2" x 1-1/2" Slip Tee	UXL0341	1	\$108.00
SharkBite 2" x 2" x 2" Slip Tee	UXL0354	1	\$144.00
<b>FEMALE CENTRE SLIP TEES (Slip End only suitable for Copper and cPVC)</b>			
1/2" X 1/2" X 1/2" FNPT Female Centre Lead Free	U3482LF	3	\$32.50
¾" X ¾" X ¾" FNPT Female Centre Lead Free	U3486LF	3	\$37.50
<b>SERVICE SLIP TEE ADAPTER (Slip End only suitable for Copper and cPVC)</b>			
1/2" X 1/2" X 1/2" CTS Tail Adapter Service Line Tee Lead Free	U4482LF	6	\$40.00
<b>CROSS TEE</b>			
¾ in. x ¾ in. x 1/2 in. x 1/2 in.	U380LF	3	\$33.00
<b>END CAPS</b>			
¾" (1/2" OD) Lead Free	U512LF	6	\$11.50
1/2" Lead Free	U514LF	12	\$11.50
¾" Lead Free	U518LF	6	\$13.50
1" Lead Free	U520LF	6	\$25.50
SharkBite 1-1/4" End Cap	UXL0435	1	\$36.00
SharkBite 1-1/2" End Cap	UXL0441	1	\$49.00
SharkBite 2" End Cap	UXL0454	1	\$66.00
<b>FITTING REDUCERS (Use to connect to smaller pipe sizes)</b>			
¾" (1/2" OD) X 1/2" CTS Lead Free	U719LF	6	\$15.00
¾" (1/2" OD) X ¾" CTS Lead Free	U721LF	6	\$18.00
1/2" X 1" CTS Lead Free	U722LF	6	\$30.50
¾" X 1" CTS Lead Free	U724LF	6	\$30.50
SharkBite 1¼" x ½" Fitting Reducer	UXL123516	1	\$34.00
SharkBite 1¼" x ¾" Fitting Reducer	UXL123522	1	\$34.00
SharkBite 1¼" x 1" Fitting Reducer	UXL123528	1	\$34.00
SharkBite 1½" x ½" Fitting Reducer	UXL124116	1	\$49.00
SharkBite 1½" x ¾" Fitting Reducer	UXL124122	1	\$49.00
SharkBite 1½" x 1" Fitting Reducer	UXL124128	1	\$49.00
SharkBite 1½" x 1¼" Fitting Reducer	UXL124135	1	\$49.00
SharkBite 2" x ¾" Fitting Reducer	UXL125416	1	\$66.00
SharkBite 2" x ¾" Fitting Reducer	UXL125422	1	\$66.00

SharkBite 2" x 1" Fitting Reducer	UXL125428	1	\$66.00
SharkBite 2" x 1½" Fitting Reducer	UXL125435	1	\$66.00
SharkBite 2" x 1½" Fitting Reducer	UXL125441	1	\$66.00
<b>STUB OUT ELBOWS</b>			
1/2" SB X 1/2" Copper Tube 8" Length Lead Free	U351LFA	6	\$34.00
<b>SECTION 1-B : SHARKBITE® RADIANT FITTINGS</b>			
<b>RADIANT FITTINGS (Non-Potable Water Application.)</b>			
5/8" X 5/8" Coupling	U012	6	\$13.50
3/4" X 5/8" Reducing Coupling	U057	6	\$14.50
5/8" X 3/4" MNPT Reducing Adapter	U126	6	\$11.50
5/8" X 5/8" Elbow	U252	6	\$14.50
3/4" X 5/8" Elbow	U273	6	\$16.00
5/8" X 5/8" X 5/8" Tee	U366	6	\$20.50
5/8" End Stop	U516	6	\$12.50
<b>SECTION 1-C : SHARKBITE® TRANSITION FITTINGS</b>			
<b>POLYBUTYLENE TRANSITION COUPLINGS</b>			
1/2" PB X 1/2" SB PB Transition Coupling Lead Free	U4008LF	6	\$17.00
3/4" PB X 3/4" SB PB Transition Coupling Lead Free	U4016LF	6	\$20.50
<b>POLYBUTYLENE TRANSITION ELBOWS</b>			
1/2 in. PB x 1/2 in. CTS	U4248LF	6	\$18.50
3/4 in. PB x 3/4 in. CTS	U4256LF	6	\$22.00
<b>SCHEDULE 40 PVC SLIP REPAIR TRANSITION COUPLINGS INDIVIDUALLY BAGGED</b>			
1/2" PVC X 1/2" PVC Slip Repair Coupling	UIP3008	3	\$36.50
3/4" PVC X 3/4" PVC Slip Repair Coupling	UIP3016	3	\$44.00
1" PVC X 1" PVC Slip Repair Coupling	UIP3020	2	\$60.00
<b>SCHEDULE 40 PVC TRANSITION COUPLINGS INDIVIDUALLY BAGGED</b>			
1/2" CTS X 1/2" PVC Transition Coupling	UIP4008	6	\$21.00
3/4" CTS X 3/4" PVC Transition Coupling	UIP4016	6	\$25.00
1" CTS X 1" PVC Transition Coupling	UIP4020	3	\$42.50
<b>SCHEDULE 40 PVC TRANSITION SLIP TEES INDIVIDUALLY BAGGED</b>			
1/2" CTS X 1/2" CTS X 1/2" PVC Transition Slip Tee	UIP363	3	\$27.00
1/2" PVC X 1/2" PVC X 1/2" CTS Transition Slip Tee	UIP364	3	\$32.00
3/4" CTS X 3/4" CTS X 3/4" PVC Transition Slip Tee	UIP371	3	\$33.00
3/4" PVC X 3/4" PVC X 3/4" CTS Transition Slip Tee	UIP372	3	\$38.50
1" CTS X 1" CTS X 1" PVC Transition Slip Tee	UIP375	3	\$57.00
1" PVC X 1" PVC X 1" CTS Transition Slip Tee	UIP376	3	\$61.00
<b>SCHEDULE 40 PVC TRANSITION COUPLINGS INDIVIDUALLY BAGGED</b>			
1/2" PVC X 1/2" MNPT Male Connector	UIP120	6	\$20.00
3/4" PVC X 3/4" MNPT Male Connector	UIP134	6	\$24.00
1" PVC X 1" MNPT Male Connector	UIP140	3	\$42.50
<b>SCHEDULE 40 PVC CAPS</b>			
1/2" SharkBite PVC Cap	UIP514	12	\$14.00
3/4" SharkBite PVC Cap	UIP518	12	\$17.50
1" SharkBite PVC Cap	UIP520	12	\$27.00
<b>SCHEDULE 40 PVC TRANSITION COUPLINGS INDIVIDUALLY BAGGED</b>			
1/2" PVC Disconnect Clip and Depth Gauge	UIP710	12	\$2.95
3/4" PVC Disconnect Clip and Depth Gauge	UIP712	12	\$2.95
1" PVC Disconnect Clip and Depth Gauge	UIP714	6	\$2.95
<b>SECTION 1-E : SHARKBITE® KITS</b>			
<b>WATER HEATER INSTALLATION KITS (Kits include 2 SharkBite® connector fittings and a disconnect clip)</b>			
1/2" X 3/4" FNPT Lead Free	22604LF	12	\$28.00
3/4" X 3/4" FNPT Lead Free	22441LF	12	\$28.00
<b>SHARKBITE TANKLESS WATER HEATER KIT</b>			
3/4" SharkBite Tankless Water Heater Kit (3/4" Hot Isolation Valve, 3/4" Cold Isolation Valve, 3/4" FWL-2 Pressure Only Relief Valve)	25374	1	\$245.00
<b>CONTRACTOR KITS (Kit includes orange toolbox)</b>			
Contractor Kit: 2 each (U008LF, U016LF, U058LF, U072LF, U088LF, U120LF, U134LF, U248LF, U256LF) and 1 each (U362LF, U370LF, U514LF, U518LF, U710LF, U711LF, U713LF and U702LF)	22486LF	1	\$375.00
Contractor Tool Box Only	U3001A	1	\$92.00
<b>TOILET AND FAUCETS KITS BAGGED</b>			
Ice Maker Kit with angle stop	25024	3	\$65.00
Faucet Kit in Bag with angle stop	25087	3	\$65.00
Faucet Kit with Straight Stop	25538	3	\$65.00
Toilet Kit in Retail Bag with angle stop	25088	3	\$38.00
Toilet Kit with Straight Stop	25539	3	\$38.00
Push-to-Connect Dishwasher Installation Kit	25568	3	\$71.00
Push-to-Connect Shower/Tub Installation Kit	25567	3	\$75.00
3/4" SharkBite Water Filter Installation Kit	25561	6	\$41.50

1" SharkBite Water Filter Installation Kit	25562	6	\$58.00
<b>ICE MAKER OUTLET BOXES (WHOLESALE)</b>			
SB ICE MAKER OUTLET BOX W/ WTR ARR WP	25096	10	\$40.00
SB ICE MAKER OUTLET BOX W/ WTR ARR WP	25097	10	\$72.00
<b>WASHING MACHINE OUTLET BOXES (WHOLESALE)</b>			
SB WASHING MACHINE OUTLET BOX WP	25098	10	\$60.00
SB WASHING MACHINE OUTLET BOX WTR ARR WP	25099	10	\$110.00
<b>FACEPLATE REPLACEMENTS</b>			
Ice Maker Box Replacement Faceplate for 25032, 25033, 25096, 25097	25478	1	\$5.40
Washing Machine Box Replacement Faceplate for 24763, 25031, 25098, 25099	25464	1	\$6.00
<b>WASHING MACHINE VALVES</b>			
1/2" SharkBite X 3/4" MHT Washing Machine Straight Valve	25559LF	6	\$18.50
1/2" SharkBite X 3/4" MHT Washing Machine Angle Valve	25560LF	6	\$18.50
<b>SECTION 1-F : SHARKBITE® ADDITIONAL PRODUCTS</b>			
<b>BRAIDED FLEXIBLE WATER HEATER CONNECTORS</b>			
1/2" X 3/4" FIP, 12" Stainless Steel Braided Water Heater Connector Lead Free	U3068FLEX12LF	12	\$28.00
1/2" X 3/4" FIP, 15" Stainless Steel Braided Water Heater Connector Lead Free	U3068FLEX15LF	12	\$29.50
1/2" X 3/4" FIP, 18" Stainless Steel Braided Water Heater Connector Lead Free	U3068FLEX18LF	12	\$30.50
1/2" X 3/4" FIP, 24" Stainless Steel Braided Water Heater Connector Lead Free	U3068FLEX24LF	12	\$33.00
3/4" X 3/4" FIP, 12" Stainless Steel Braided Water Heater Connector Lead Free	U3088FLEX12LF	12	\$28.00
3/4" X 3/4" FIP, 15" Stainless Steel Braided Water Heater Connector Lead Free	U3088FLEX15LF	12	\$29.50
3/4" X 3/4" FIP, 18" Stainless Steel Braided Water Heater Connector Lead Free	U3088FLEX18LF	12	\$30.50
3/4" X 3/4" FIP, 24" Stainless Steel Braided Water Heater Connector Lead Free	U3088FLEX24LF	12	\$33.00
<b>CORRUGATED STAINLESS STEEL WATER HEATER CONNECTORS</b>			
3/4" X 3/4" FIP, 12" Stainless Steel Corrugated Water Heater Connector Lead Free	SS3088FLEX12LF	12	\$28.00
3/4" X 3/4" FIP, 18" Stainless Steel Corrugated Water Heater Connector Lead Free	SS3088FLEX18LF	12	\$30.50
3/4" X 3/4" FIP, 24" Stainless Steel Corrugated Water Heater Connector Lead Free	SS3088FLEX24LF	12	\$33.00
3/4" x 1" FIP, 24" Stainless Steel Corrugated Water Heater Connector Lead Free	SS3086FLEX24LF	6	\$33.00
1" x 1" FIP, 24" Stainless Steel Corrugated Water Heater Connector	SS3094FLEX24LF	6	\$33.00
1" x 3/4" FIP, 24" Stainless Steel Corrugated Water Heater Connector	SS3096FLEX24LF	6	\$33.00
<b>BRAIDED FLEXIBLE WATER HEATER CONNECTORS WITH BALL VALVES</b>			
1/2" X 3/4" FIP, 18" Stainless Steel Braided Water Heater Connector with Ball Valve Lead Free	U3068FLEX18BVLV	12	\$56.00
3/4" X 3/4" FIP, 18" Stainless Steel Braided Water Heater Connector with Ball Valve Lead Free	U3088FLEX18BVLV	12	\$64.00
<b>BRAIDED FLEXIBLE WATER HEATER CONNECTORS WITH BALL VALVES</b>			
1/2" X 3/4" FIP, 18" Stainless Steel Braided Water Heater Connector with Ball Valve Lead Free	SS3068FLEX18BV	12	\$56.00
3/4" X 3/4" FIP, 18" Stainless Steel Braided Water Heater Connector with Ball Valve Lead Free	SS3088FLEX18BV	12	\$64.00
<b>BRAIDED FLEXIBLE WATER HEATER CONNECTORS WITH BALL VALVES</b>			
Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect clip	24680	3	\$88.00
<b>BRAIDED FLEXIBLE COUPLING HOSES</b>			
1/2" X 1/2", 18" Lead Free	U3008FLEX18LF	12	\$30.50
3/4" X 3/4", 18" Lead Free	U3016FLEX18LF	12	\$30.50
<b>BRAIDED WATER SOFTENER HOSES</b>			
3/4" X 1" FIP, 24" Lead Free	U3086FLEX24LF	6	\$33.00
<b>WATER SOFTENER FITTINGS</b>			
3/4" X 1" FIP Lead Free	U086LF	12	\$25.00
<b>MANIFOLDS WITH PUSH-FIT BRANCHES</b>			
Manifold Bracket Set (for 1"-1.5" diameter manifolds)	25484Z	1	\$44.00
SharkBite 3/4" x 1/2" Outlet 3-Port Manifold - Closed	25553LF	3	\$61.00
SharkBite 3/4" x 1/2" Outlet 3-Port Manifold - Open	25552LF	3	\$61.00
SharkBite 3/4" x 1/2" Outlet 4-Port Manifold - Closed	25555LF	3	\$75.00
SharkBite 3/4" x 1/2" Outlet 4-Port Manifold - Open	25554LF	3	\$75.00
<b>RADIANT HEATING MANIFOLDS (1" FNPT X 1/2" SHARKBITE PEX LOOPS)</b>			
3 Loop	24930	1	\$550.00
4 Loop	24931	1	\$640.00
5 Loop	24932	1	\$680.00
6 Loop	24933	1	\$710.00
7 Loop	24934	1	\$860.00
8 Loop	24935	1	\$960.00
9 Loop	24936	1	\$1,050.00
10 Loop	24937	1	\$1,100.00
11 Loop	24938	1	\$1,190.00
12 Loop	24939	1	\$1,290.00
13 Loop	24940	1	\$1,380.00
<b>RADIANT HEATING MANIFOLD ACTUATORS</b>			
SharkBite Radiant Manifold Actuator	24963	1	\$90.00
<b>PUSH-TO-CONNECT HOME RUN MANIFOLD</b>			
12 Port with Brass Valves	PM012SB	1	\$370.00
24Port with Brass Valves	PM024SB	1	\$630.00

<b>WATER HAMMER ARRESTORS (Provides maintenance-free, continuous protection against water hammer. Can be positioned vertically or horizontally and the SharkBite® connectors allow the arrester to be installed in seconds, even on wet pipe.)</b>			
1/2" Residential Lead Free	22630LF	1	\$67.00
1/2" Commercial Lead Free	22631LF	1	\$67.00
3/4" Residential Lead Free	22632LF	1	\$81.00
1" Commercial Lead Free	22633LF	1	\$166.00
<b>PRESSURE GAUGES</b>			
with 1/2" Tee Lead Free	24436	1	\$55.00
with 3/4" Tee Lead Free	24438	1	\$61.00
with 1" Tee Lead Free	24440	1	\$92.00
with 1/2" CTS Lead Free	24442	1	\$34.00
with 3/4" CTS Lead Free	24444	1	\$34.00
<b>TEMPERATURE GAUGES</b>			
with 1/2" Tee Lead Free	24437	1	\$99.00
with 3/4" Tee Lead Free	24439	1	\$104.00
with 1" Tee Lead Free	24441	1	\$136.00
with 1/2" CTS Lead Free	24443	1	\$63.00
with 3/4" CTS Lead Free	24445	1	\$63.00
<b>SECTION 1-G : SHARKBITE® STOPS &amp; FIXTURE SUPPLY FITTINGS</b>			
<b>ANGLE STOPS</b>			
1/2" X 3/8" Compression Angle Stop Lead Free	23036-0000LF	12	\$23.50
1/2" X 3/8" Compression Loose Key Lead Free	24731LF	6	\$27.00
1/2" X 1/4" (3/8" OD) Angle Stop Lead Free	23048-0000LF	6	\$23.50
1/2" X 1/4" (3/8" OD) Loose Key Lead Free	24733LF	6	\$27.00
1/2" X 1/4" Compression Angle Stop Lead Free	23336-0000LF	6	\$23.50
1/2" X 1/2" Compression Angle Stop Lead Free	23489	6	\$23.50
1/2" X 1/2" MIP	24946	6	\$22.50
1/2" X 3/8" Brushed Nickel Angle Stop Valve	23036LFBN	6	\$26.00
<b>STRAIGHT STOPS</b>			
1/2" X 3/8" Compression Straight Stop Lead Free	23037-0000LF	12	\$23.50
1/2" X 3/8" Compression Loose Key Lead Free	24732LF	6	\$27.00
1/2" X 1/4" (3/8" OD) Straight Stop Lead Free	23049-0000LF	6	\$23.50
1/2" X 1/4" (3/8" OD) Loose Key Lead Free	24734LF	6	\$27.00
1/2" X 1/4" Compression Straight Stop Lead Free	23337-0000LF	6	\$23.50
1/2" X 1/2" Compression Straight Stop Lead Free	23490	6	\$22.50
1/2" X 1/2" MIP	24947	6	\$22.50
<b>TEE STOPS</b>			
SB SERVICE STOP 1/2X1/2X1/4 COMP WP LF	24983	6	\$40.00
SB SERVICE STOP 1/2X1/2X3/8 COMP WP LF	24984	6	\$40.00
SB SERVICE STOP 3/4X3/4X1/4 COMP WP LF	24985	6	\$44.00
SB SERVICE STOP 3/4X3/4X3/8 COMP WP LF	24986	6	\$44.00
SB SERVICE STOP 1/2X1/2X1/4 WP LF	24987	6	\$40.00
<b>DUAL OUTLET STOP</b>			
1/2" SharkBite X 3/8" X 3/8" OD Comp Dual Outlet Stop	25558LF	6	\$24.50
<b>DUAL SHUT-OFF STOP VALVE</b>			
1/2" x 3/8" x 3/8" Dual Stop Valve	SBDS123838	6	\$41.50
1/2" x 3/8" x 1/4" Dual Stop Valve	SBDS123814	6	\$41.50
<b>DUAL TEE STOP VALVE ADAPTERS</b>			
1/2" CTS X 1/2" CTS X 1/2" Dual Tee Stop Valve Adapter Lead Free	U782LF	6	\$19.50
<b>STOP VALVE TEE ADAPTERS</b>			
1/4" (3/8" OD) X 3/8" Compression Stop Valve Connector (Converts 3/8" comp stop to SharkBite)	U3523LF	6	\$9.90
1/4" (3/8" OD) X 1/4" Compression Nut	U3524LF	6	\$8.00
<b>STOP VALVE TEE ADAPTERS</b>			
1/4" (3/8" OD) X 1/4" (3/8" OD) X 3/8" Compression	U3358LF	6	\$17.50
1/4" (3/8" OD) X 1/4" (3/8" OD) X 1/4" (3/8" OD) Tube	U4358LF	6	\$18.50
<b>FAUCET CONNECTORS</b>			
1/4" (3/8" OD) X 1/2" Threaded Faucet Connector Lead Free	U3525LF	6	\$11.00
<b>TOILET CONNECTORS</b>			
1/4" (3/8" OD) X 7/8" Ballcock Threads Toilet Connector Lead Free	U3531LF	6	\$11.00
1/4" (3/8" OD) X 7/8" Ballcock Threads Toilet Elbow Lead Free	U3537LF	6	\$8.70
<b>ANGLE STOP SUPPLY LINES</b>			
1/2" SharkBite X 7/8" ClickSeal Toilet Connector	24656	6	\$29.50
1/2" SharkBite X 1/2" ClickSeal Faucet Connector	24657	6	\$31.50
<b>STRAIGHT STOP SUPPLY LINES</b>			
1/2 in. Straight Stop x 7/8 in. Ballcock Click Seal® Toilet Connector x 16 in.	24686	1	\$28.50
1/2 in. Straight Stop x 1/2 in. NPSM Click Seal® Faucet Connector x 30 in.	24687	1	\$30.00

<b>TOILET AND FAUCETS KITS CLAM SHELL PACKAGED (Faucet kits come with 2 faucet connectors, 2 straight or angle stops, and 2 coils of 5' 1/4" PEX tubing. Toilet kits come with 1 toilet connector, 1 straight or angle stop, and 1 coil of 5' 1/4" PEX tubing.)</b>			
<b>SECTION 1-H : SHARKBITE® TOOLS</b>			
<b>DEBURR &amp; GAUGE TOOL</b>			
Deburring and Depth Gauge Tool (Use for 1/4", 3/8", 1/2", 5/8", 3/4" and 1" copper and cPVC pipe)	U702	1	\$30.00
Depth Gauge/Deburr Tool (Use for 1-1/4", 1-1/2" and 2" copper and cPVC pipe)	UXLG03	1	\$41.50
<b>DISCONNECT CLIPS</b>			
1/4" Disconnect Clip	U706	12	\$2.95
3/8" Disconnect Clip	U708	24	\$2.95
1/2" Disconnect Clip	U710	24	\$2.95
5/8" Disconnect Clip	U3712	24	\$2.95
3/4" Disconnect Clip	U712	24	\$2.95
1" Disconnect Clip	U714	12	\$2.95
SharkBite Demount CLIP 1-1/4" (Use with UXL Parts)	UXLDC35	1	\$9.80
SharkBite Demount CLIP 1-1/2" (Use with UXL Parts)	UXLDC41	1	\$14.50
SharkBite Demount CLIP 2" (Use with UXL Parts)	UXLDC54	1	\$19.00
1-1/4" Demount Clip (Use with SB Parts)	SBDC35	1	\$8.50
1-1/2" Demount Clip (Use with SB Parts)	SBDC41	1	\$12.50
2" Demount Clip (Use with SB Parts)	SBDC54	1	\$16.00
<b>DISCONNECT TONGS</b>			
1/2" Disconnect Tong	U711	1	\$15.00
3/4" Disconnect Tong	U713	1	\$15.00
1" Disconnect Tong	U715	1	\$15.00
<b>LARGE DIAMETER PEX STIFFENERS</b>			
1-1/4" PEX Stiffener	SBTL35	1	\$4.60
1-1/2" PEX Stiffener	SBTL41	1	\$6.70
2" PEX Stiffener	SBTL54	1	\$8.70
<b>SHOWER TEST PLUG</b>			
1/2 in MIP	25828	25	\$3.40
<b>WRAP FOR FITTING BURIAL</b>			
10' x 2" X 0.02" St silicone Wrap	25406	1	\$16.50
<b>SECTION 2: SHARKBITE® VALVES</b>			
<b>SECTION 2-A : SHARKBITE® PRESSURE REGULATING VALVES</b>			
<b>EB45 LEAD FREE SHARKBITE CONNECTIONS</b>			
1/2" EB45-DSB Direct SharkBite	23807-0045	1	\$215.00
1/2" EB45-SDSB Slip Feature Direct SharkBite	24383-0045	1	\$265.00
1/2" EB45-DUSB Double Union SharkBite	23893-0045	1	\$265.00
3/4" EB45-DSB Direct SharkBite	23808-0045	1	\$220.00
3/4" EB45-SDSB Slip Feature Direct SharkBite	24384-0045	1	\$270.00
3/4" EB45-DUSB Double Union SharkBite	23894-0045	1	\$270.00
3/4" EB-45 Double Union SharkBite (60 PSI Setting)	23896-0060	1	\$295.00
3/4" EB45-DUSB Double Union SharkBite with Gauge Port	24449-0045	1	\$295.00
1" EB45-DSB Direct SharkBite	22675-0045	1	\$295.00
1" EB45-DUSB Double Union SharkBite	23358-0045	1	\$345.00
1" EB45-DUSB Double Union SharkBite (60 PSI Setting)	23945-0060	1	\$385.00
1-1/4" EB45 Double Union SharkBite	25847-0045	1	\$760.00
1-1/2" EB45 Double Union SharkBite	25848-0045	1	\$1,180.00
2" EB45 Double Union SharkBite	25849-0045	1	\$1,410.00
<b>EB25 LEAD FREE SHARKBITE CONNECTIONS</b>			
3/4" EB25-DUSB Double Union SharkBite	23955-0045	1	\$325.00
1" EB25-DUSB Double Union SharkBite	23956-0045	1	\$420.00
1-1/4" EB25 Double Union SharkBite	25844-0045	1	\$1,000.00
1-1/2" EB25 Double Union SharkBite	25845-0045	1	\$1,570.00
2" EB25 Double Union SharkBite	25846-0045	1	\$1,860.00
<b>SECTION 2-B : SHARKBITE® THERMOSTATIC MIXING VALVES</b>			
<b>HG110-D LEAD FREE (ASSE 1017, 1069, &amp; 1070, CSA B 125.3. Distribution and In-line)</b>			
1/2" HG110-D with SharkBite Connections	24504	1	\$255.00
3/4" HG110-D with SharkBite Connections	24505	1	\$260.00
<b>HG110-D WITH INTEGRATED SHARKBITE CONNECTIONS LEAD FREE</b>			
1/2" HG110-D with Integrated SharkBite Connections	24548	1	\$285.00
3/4" HG110-D with Integrated SharkBite Connections	24549	1	\$285.00
<b>HG160 LEAD FREE (ASSE 1069 &amp; 1070, CSA B 125.3. In-line)</b>			
1/2" HG160 with SharkBite Connections	24529	1	\$270.00
3/4" HG160 with SharkBite Connections	24530	1	\$270.00
<b>GATE VALVES</b>			
1/2" x 1/2" Push-to-Connect Gate Valve with Drain	24634LF	12	\$27.00
3/4" x 3/4" Push-to-Connect Gate Valve with Drain	24635LF	12	\$30.00

1/2" Garden Valve	24622LF	6	\$25.00
3/4" Garden Valve	24623LF	6	\$27.00
<b>HOSE BIBBS</b>			
1/2" Push-to-Connect x 3/4" MHT 90 Deg Hose Bibb – Quarter Turn	24620LF	6	\$25.00
3/4" Push-to-Connect x 3/4" MHT 90 Deg Hose Bibb – Quarter-Turn	24621LF	6	\$29.00
1/2" Push-to-Connect x 3/4" MHT 90 Deg Hose Bibb – Multi-Turn	24626LF	6	\$18.00
3/4" Push-to-Connect x 3/4" MHT 90 Deg Hose Bibb – Multi-Turn	24627LF	6	\$20.00
1/2" Push-to-Connect x 3/4" MHT No-Kink 45 Deg Hose Bibb – Multi-Turn	24632LF	6	\$22.50
3/4" Push-to-Connect x 3/4" MHT No-Kink 45 Deg Hose Bibb - Multi-Turn	24633LF	6	\$25.00
1/2" Push-to-Connect x 3/4" MHT No-Kink 45 Deg Hose Bibb – Quarter Turn	24630LF	6	\$26.50
3/4" Push-to-Connect x 3/4" MHT No-Kink 45 Deg Hose Bibb – Quarter-Turn	24631LF	6	\$29.00
<b>SILCOCKS</b>			
1/2 in. x 3/4 in. MHT 4 in. Frost-Free Sillcock	25743LF	4	\$51.00
1/2 in. x 3/4 in. MHT 6 in. Frost-Free Sillcock	25744LF	4	\$56.00
1/2" Push-to-Connect x 3/4" MHT 8" Anti-Siphon Frost-Free Sillcock	24628LF	4	\$69.00
1/2" Push-to-Connect x 3/4" MHT 10" Anti-Siphon Frost-Free Sillcock	24629LF	4	\$72.00
1/2" Push-to-Connect x 3/4" MHT 12" Anti-Siphon Frost-Free Sillcock	24636LF	4	\$78.00
1/2" Push-to-Connect x 3/4" MHT 15" Anti-Siphon Frost-Free Sillcock	24637LF	4	\$92.00
1/2" Push-to-Connect x 3/4" MHT 18" Anti-Siphon Frost-Free Sillcock	24638LF	4	\$110.00
<b>REPAIR KITS</b>			
Vacuum Breaker Repair Kit for Frost Free Sillcock	25759	1	\$12.00
Stem Repair Kit for 4 in. for Frost Free Sillcock	25773	1	\$26.50
Stem Repair Kit for 6 in. for Frost Free Sillcock	25774	1	\$29.00
Stem Repair Kit for 8 in. for Frost Free Sillcock	25751	1	\$31.50
Stem Repair Kit for 10 in. for Frost Free Sillcock	25752	1	\$34.50
Stem Repair Kit for 12 in. for Frost Free Sillcock	25753	1	\$37.50
Stem Repair Kit for 15 in. for Frost Free Sillcock	25754	1	\$40.50
Stem Repair Kit for 18 in. for Frost Free Sillcock	25755	1	\$43.50
O-ring Repair Set for Multi Turn Hose Bibbs	25756	1	\$2.90
Stop Valve Repair Kit	25757	1	\$2.90
Garden Valve Repair Kit	25758	1	\$2.90
<b>SECTION 2-C : SHARKBITE® BALL VALVES &amp; CHECK VALVES</b>			
<b>BALL VALVES</b>			
1/2" X 1/2" Lead Free	22222-0000LF	12	\$32.00
3/4" X 3/4" Lead Free	22185-0000LF	12	\$40.00
1" X 1" Lead Free	22223-0000LF	6	\$55.00
SharkBite 1-1/4" 1-1/4" Ball Valve	UXLBV35	1	\$99.00
SharkBite 1-1/2" 1-1/2" Ball Valve	UXLBV41	1	\$188.00
SharkBite 2" x 2" Ball Valve	UXLBV54	1	\$230.00
<b>REDUCING BALL VALVES</b>			
1/2 in. x 3/4 in.	22973LF	6	\$31.00
3/4 in. x 1 in.	22993LF	3	\$45.50
<b>BALL VALVES WITH FNPT CONNECTORS</b>			
1/2" SharkBite X 1/2" FNPT Lead Free	22182-0000LF	6	\$32.00
3/4" SharkBite X 3/4" FNPT Lead Free	22186-0000LF	6	\$40.00
1" SharkBite X 1" FNPT Lead Free	22187-0000LF	3	\$55.00
<b>BALL VALVES with DRAIN/VENT and MOUNTING BRACKET</b>			
1/2" with drain and mounting bracket Lead Free	24615-0000LF	12	\$34.50
3/4" with drain and mounting bracket Lead Free	24616-0000LF	6	\$44.00
1" with drain and mounting bracket Lead Free	24617-0000LF	6	\$61.00
Replacement Drain Cap 1/8" NPSM	24377	1	\$0.80
<b>SLIP BALL VALVE</b>			
1/2" Lead Free	24735LF	6	\$46.00
3/4" Lead Free	24736LF	6	\$58.00
1" Lead Free	24737LF	3	\$90.00
<b>PVC BALL VALVE</b>			
3/4" PVC X 3/4" CTS	25550LF	6	\$44.00
1" PVC X 3/4" CTS	25551LF	6	\$46.50
<b>THERMAL EXPANSION RELIEF VALVE (TER-1)</b>			
3/4" x 3/4" x 1/2" Outlet	25704LF	1	\$97.00
<b>CHECK VALVES</b>			
1/2" X 1/2" Lead Free	U2008-0000LF	6	\$30.00
3/4" X 3/4" Lead Free	U2016-0000LF	6	\$35.00
1" X 1" Lead Free	U2020-0000LF	3	\$73.00
<b>SECTION 3-A : SharkBite® EvoPEX™ CORE FITTINGS</b>			
<b>SECTION 3 : SHARKBITE® EvoPEX™ FITTINGS</b>			
<b>COUPLINGS</b>			
1/2" Coupling 3PK	K008WP3	3	\$12.50
3/4" Coupling" 3PK	K016WP3	3	\$14.50



1" Coupling 2PK	K020WP2	2	\$18.50
<b>REDUCING COUPLINGS</b>			
3/4" X 1/2" Reducing coupling 3PK	K058WP3	3	\$14.00
1" X 3/4" Reducing coupling 2PK	K060WP2	2	\$15.50
<b>FEMALE ADAPTER</b>			
1/2" EvoPEX x FNPT adapter 3PK	K072WP3	3	\$24.00
3/4" EvoPEX x FNPT adapter 3PK	K088WP3	3	\$29.50
1" EvoPEX x FNPT adapter 2PK	K094WP2	2	\$36.00
<b>MALE ADAPTER</b>			
1/2" EvoPEX x MNPT adapter 3PK	K120WP3	3	\$24.00
3/4" EvoPEX x MNPT adapter 3PK	K134WP3	3	\$29.50
1" EvoPEX x MNPT adapter 2PK	K140WP2	2	\$36.00
<b>ELBOWS</b>			
1/2" Elbow 6PK	K248WP6	6	\$33.00
3/4" Elbow 6PK	K256WP6	6	\$39.50
1" Elbow 2PK	K260WP2	2	\$24.00
<b>REDUCING ELBOWS</b>			
1/2" x 3/4" Reducing elbow 3PK	K274WP3	3	\$19.00
1" x 1/2" Reducing elbow 2PK	K277WP2	2	\$24.00
<b>MALE ELBOWS</b>			
1/2" EvoPEX x MNPT 2PK	K280WP2	2	\$17.00
<b>FEMALE ELBOWS</b>			
1/2" EvoPEX x FNPT Elbow 2PK	K308WP2	2	\$17.00
<b>DROP-EAR ELBOWS</b>			
1/2" EvoPEX x FNPT Drop Ear 3PK	K334WP3	3	\$24.50
3/4" EvoPEX x FNPT Drop Ear 2PK	K340WP2	2	\$24.50
<b>TEES</b>			
1/2" Tee 3PK	K362WP3	3	\$18.00
3/4" Tee 3PK	K370WP3	3	\$21.50
1" Tee 2PK	K374WP2	2	\$27.50
<b>REDUCING STREET TEES</b>			
3/4" X 3/4" X 1/2" Reducing Street Tee 3PK	K4483WP3	3	\$21.50
1" x 1" X 1/2" Reducing Street Tee 2PK	K4485WP2	2	\$24.00
<b>REDUCING TEES</b>			
1/2" X 1/2" X 3/4" Reducing Tee 3PK	K408WP3	3	\$22.50
3/4" X 3/4" X 1/2" Reducing Tee 3PK	K412WP3	3	\$22.50
3/4" X 3/4" X 1" Reducing Tee 2PK	K413WP2	2	\$28.50
1" X 3/4" X 3/4" Reducing Tee 2PK	K414WP2	2	\$28.50
1" X 1" X 1/2" Reducing Tee 2PK	K415WP2	2	\$28.50
1" X 1" X 3/4" Reducing Tee 2PK	K416WP2	2	\$28.50
1" X 3/4" X 1" Reducing Tee 2PK	K418WP2	2	\$28.50
1" X 3/4" X 1/2" Reducing Tee 2PK	K419WP2	2	\$28.50
3/4" X 1/2" X 3/4" Reducing Tee 3PK	K444WP3	3	\$22.50
3/4" X 1/2" X 1/2" Reducing Tee 3PK	K454WP3	3	\$22.50
<b>END CAPS</b>			
1/2" Cap 6PK	K514WP6	6	\$11.00
3/4" Cap 6PK	K518WP6	6	\$25.00
1" Cap 2PK	K520WP2	2	\$16.00
<b>PEX Stub-Out Kits</b>			
1/2" x 6" PEX Stub Out with Bracket and EvoPEX 1/2" 90	K25578WP12	12	\$130.00
1/2" x 6" PEX Stub Out with EvoPEX 1/2" 90	K25581WP12	12	\$114.00
1/2 in. x 10 in. PEX Stub Out w/ Bracket, Cap and EvoPEX 1/2 in. 90 (12 Pack)	K25721WP12	12	\$130.00
1/2 in. x 10 in. PEX Stub Out with Cap and EvoPEX 1/2 in. 90 (12 Pack)	K25722WP12	12	\$114.00
<b>PEX Stub-Outs</b>			
1/2" x 6" PEX Stub Out with Bracket	K24649WP	25	\$5.60
1/2" x 6" PEX Stub Out	K24650WP	25	\$4.10
1/2 in. x 10 in. PEX Stub Out w/ Bracket and Cap	K25721WP	25	\$5.60
1/2 in. x 10 in. PEX Stub Out with Cap	K25722WP	25	\$4.10
1/2 in. x 20 in. PEX Stub Out w/ Bracket and Cap	K25723WP	25	\$6.40
<b>Copper Stub-Outs</b>			
1/2 in. x 6 in. with Bracket & EvoPEX Elbow	K25811WP	12	\$15.00
1/2 in. x 6 in. with EvoPEX Elbow	K25813WP	12	\$15.00
1/2 in. x 8 in. with Bracket & EvoPEX Elbow	K25815WP	12	\$17.00
1/2 in. x 8 in. with EvoPEX Elbow	K25817WP	12	\$16.50
<b>ANGLE STOPS</b>			
Angle Stop with Escutcheon 1/2" X 3/8" Compression	K23036	1	\$12.00
<b>STRAIGHT STOPS</b>			
Straight Stop with Escutcheon 1/2" X 3/8" Compression	K23037	1	\$12.00
<b>BALL VALVES</b>			

1/2" x 1/2" Ball Valve	K22222	1	\$14.00
3/4" x 3/4" Ball Valve	K22185	1	\$17.50
1" x 1" Ball Valve	K22223	1	\$31.50
<b>SECTION 4-A : SHARKBITE® PEX BARB CORE FITTINGS</b>			
<b>SECTION 4 : SHARKBITE® PEX BARB FITTINGS</b>			
<b>COUPLINGS BULK PACKAGED</b>			
3/8" Lead Free	UC006LF	10	\$2.45
1/2" Lead Free	UC008LF	25	\$2.45
5/8" Lead Free	UC012LF	10	\$3.30
3/4" Lead Free	UC016LF	25	\$3.30
1" Lead Free	UC020LF	10	\$6.00
Coupling - 1-1/4" Barb	UC0135	20	\$15.50
Coupling - 1-1/2" Barb	UC0141	20	\$26.00
Coupling - 2" Barb	UC0154	15	\$42.00
<b>REDUCING COUPLINGS BULK PACKAGED</b>			
3/8" X 1/2" Reducing Lead Free	UC009LF	10	\$2.45
1/2" X 3/4" Reducing Lead Free	UC058LF	25	\$3.30
3/4" X 5/8" Reducing Lead Free	UC057LF	10	\$3.30
3/4" X 1" Reducing Lead Free	UC060LF	25	\$6.00
Coupling - 1-1/4" Barb x 3/4" Barb	UC013522	20	\$15.50
Coupling - 1-1/4" Barb x 1" Barb	UC013528	20	\$15.50
Coupling - 1-1/2" Barb x 3/4" Barb	UC014122	15	\$26.00
Coupling - 1-1/2" Barb x 1" Barb	UC014128	15	\$26.00
Coupling - 1-1/2" Barb x 1-1/4" Barb	UC014135	20	\$26.00
Coupling - 2" Barb x 1-1/2" Barb	UC015441	20	\$42.00
<b>THREADED FEMALE ADAPTERS BULK PACKAGED</b>			
1/2" X 3/4" FNPT Lead Free	UC068LF	25	\$6.60
1/2" X 1/2" FNPT Lead Free	UC072LF	25	\$4.90
3/4" X 3/4" FNPT Lead Free	UC088LF	25	\$6.60
1" X 1" FNPT Lead Free	UC094LF	10	\$12.00
1-1/4" x 1-1/4" FNPT Lead Free	UC113532F	10	\$32.50
1-1/2" x 1-1/2" FNPT Lead Free	UC114140F	10	\$33.50
2" x 2" FNPT Lead Free	UC115450F	10	\$60.00
<b>THREADED MALE ADAPTERS BULK PACKAGED</b>			
1/2" X 3/4" MNPT Lead Free	UC116LF	25	\$6.00
3/8" X 1/2" MNPT Lead Free	UC118LF	10	\$4.20
1/2" X 1/2" MNPT Lead Free	UC120LF	25	\$4.20
3/4" X 3/4" MNPT Lead Free	UC134LF	25	\$6.00
3/4" X 1/2" MNPT Lead Free	UC138LF	25	\$6.00
3/4" X 1" MNPT Lead Free	UC139LF	10	\$10.50
1" X 1" MNPT Lead Free	UC140LF	10	\$10.50
1" X 3/4" MNPT Lead Free	UC142LF	10	\$10.50
1-1/4" x 1-1/4" MNPT Lead Free	UC113532M	10	\$32.50
1-1/2" x 1-1/2" MNPT Lead Free	UC114140M	10	\$33.50
2" x 2" MNPT Lead Free	UC115450M	10	\$60.00
<b>SWEAT FEMALE ADAPTERS BULK PACKAGED</b>			
1/2" X 1/2" Female Sweat Adapter Lead Free	UC600LF	25	\$4.20
3/4" X 3/4" Female Sweat Adapter Lead Free	UC606LF	25	\$6.00
1" X 1" Female Sweat Adapter Lead Free	UC605LF	10	\$10.50
<b>SWEAT MALE ADAPTERS BULK PACKAGED</b>			
1/2" X 1/2" Male Sweat Adapter Lead Free	UC607LF	25	\$4.20
3/4" X 3/4" Male Sweat Adapter Lead Free	UC608LF	25	\$6.00
1" X 1" Male Sweat Adapter	UC609LF	10	\$10.50
<b>POLYBUTYLENE ADAPTERS BULK PACKAGED (with PB Crimp Ring)</b>			
3/8" PB Coupling Lead Free	UC4006LF	10	\$4.20
1/2" PB Coupling Lead Free	UC4008LF	25	\$4.20
3/4" PB Coupling Lead Free	UC4016LF	25	\$6.00
<b>ELBOWS BULK PACKAGED</b>			
3/8" X 3/8" Lead Free	UC246LF	10	\$3.30
1/2" X 1/2" Lead Free	UC248LF	25	\$3.30
3/4" X 3/4" Lead Free	UC256LF	25	\$4.60
1" X 1" Lead Free	UC260LF	10	\$8.50
Elbow 90 - 1-1/4" Barb	UC0235	10	\$26.50
Elbow 90 - 1-1/2" Barb	UC0241	10	\$44.00
Elbow 90 - 2" Barb	UC0254	10	\$70.00
<b>REDUCING ELBOWS BULK PACKAGED</b>			
1/2" X 3/8" Lead Free	UC272LF	10	\$3.30
1/2" X 3/4" Lead Free	UC274LF	25	\$4.60
3/4" X 5/8"	UC273LF	10	\$4.60

<b>DROP-EAR ELBOWS BULK PACKAGED</b>			
1/2" X 1/2" FNPT Drop Ear Lead Free	UC334LF	25	\$13.50
3/4" X 3/4" FNPT Drop Ear Lead Free	UC340LF	25	\$19.00
3/4" X 1/2" FNPT Drop Ear Lead Free	UC342LF	25	\$19.00
<b>ADAPTER ELBOWS BULK PACKAGED</b>			
1/2" X 1/2" MNPT Lead Free	UC280LF	25	\$6.60
1/2" X 3/4" MNPT Lead Free	UC278LF	25	\$9.30
3/4" X 3/4" MNPT Lead Free	UC286LF	25	\$9.30
3/4" X 3/4" Female Sweat Lead Free	UC626LF	25	\$6.50
3/4" X 3/4" Male Sweat Lead Free	UC628LF	25	\$6.50
<b>TEES BULK PACKAGED</b>			
3/8" X 3/8" X 3/8" Lead Free	UC360LF	10	\$4.10
1/2" X 1/2" X 1/2" Lead Free	UC362LF	25	\$4.10
3/4" X 3/4" X 3/4" Lead Free	UC370LF	25	\$5.80
1" X 1" X 1" Lead Free	UC374LF	10	\$10.00
Tee - 1-1/4" Barb	UC0835	10	\$33.50
Tee - 1-1/2" Barb	UC0841	5	\$56.00
Tee - 2" Barb	UC0854	5	\$90.00
<b>BULLNOSE TEES BULK PACKAGED</b>			
1/2" X 1/2" X 3/4" Bull Nose Lead Free	UC408LF	25	\$5.80
3/4" X 3/4" X 1" Bull Nose Lead Free	UC413LF	10	\$10.00
<b>REDUCING TEES BULK PACKAGED</b>			
3/8" X 3/8" X 1/2" Reducing Lead Free	UC364LF	10	\$4.10
1/2" X 3/8" X 3/8" Reducing Lead Free	UC452LF	10	\$4.10
1/2" X 1/2" X 3/8" Reducing Lead Free	UC363LF	10	\$4.10
1/2" X 3/8" X 1/2" Reducing Lead Free	UC434LF	10	\$4.10
3/4" X 3/4" X 3/8" Reducing Lead Free	UC417LF	10	\$5.80
3/4" X 3/4" X 1/2" Reducing Lead Free	UC412LF	25	\$5.80
3/4" X 1/2" X 1/2" Reducing Lead Free	UC454LF	25	\$5.80
3/4" X 1/2" X 3/4" Reducing Lead Free	UC444LF	25	\$5.80
1" X 3/4" X 3/4" Reducing Lead Free	UC414LF	10	\$10.00
1" X 1" X 1/2" Reducing Lead Free	UC415LF	10	\$10.00
1" X 1" X 3/4" Reducing Lead Free	UC416LF	10	\$10.00
1" X 3/4" X 1" Reducing Lead Free	UC418LF	10	\$10.00
Tee - 1-1/4" Barb x 1" Barb x 1" Barb	UC08352828	10	\$33.50
Tee - 1-1/4" Barb x 1-1/4" Barb x 1/2" Barb	UC08353516	10	\$33.50
Tee - 1-1/4" Barb x 1-1/4" Barb x 3/4" Barb	UC08353522	10	\$33.50
Tee - 1-1/4" Barb x 1-1/4" Barb x 1" Barb	UC08353528	10	\$33.50
Tee - 1-1/2" Barb x 1-1/4" Barb x 1" Barb	UC08413528	5	\$56.00
Tee - 1-1/2" Barb x 1-1/2" Barb x 1/2" Barb	UC08414116	5	\$56.00
Tee - 1-1/2" Barb x 1-1/2" Barb x 3/4" Barb	UC08414122	10	\$56.00
Tee - 1-1/2" Barb x 1-1/2" Barb x 1" Barb	UC08414128	5	\$56.00
Tee - 1-1/2" Barb x 1-1/2" Barb x 1-1/4" Barb	UC08414135	5	\$56.00
Tee - 2" Barb x 2" Barb x 1/2" Barb	UC08545416	5	\$90.00
Tee - 2" Barb x 2" Barb x 3/4" Barb	UC08545422	5	\$90.00
Tee - 2" Barb x 2" Barb x 1" Barb	UC08545428	5	\$90.00
Tee - 2" Barb x 2" Barb x 1-1/2" Barb	UC08545441	5	\$90.00
<b>SWIVEL ADAPTERS BULK PACKAGED</b>			
3/8" X 3/8" FNPT Swivel Adapter Lead Free	UC527LF	10	\$4.90
1/2" X 1/2" FNPT Swivel Adapter Lead Free	UC526LF	25	\$4.90
1/2" X 3/4" FNPT Swivel Adapter Lead Free	UC534LF	25	\$10.00
3/4" X 3/4" FNPT Swivel Adapter Lead Free	UC530LF	25	\$10.00
3/4" X 1" Swivel Adapter Lead Free	UC529LF	10	\$18.00
1" X 1" FNPT Swivel Adapter Lead Free	UC594LF	10	\$12.00
<b>SWIVEL ELBOWS BULK PACKAGED</b>			
3/8" X 1/2" MNPT Swivel Elbow Lead Free	UC531LF	10	\$5.00
1/2" X 1/2" FNPT Swivel Elbow Lead Free	UC532LF	25	\$5.00
<b>SWIVEL TOILET CONNECTION ELBOWS BULK PACKAGED</b>			
1/2" X 7/8" Straight Swivel Toilet Connectors Lead Free	UC528LF	10	\$6.60
3/8" X 7/8" Elbow Swivel Toilet Connectors Lead Free	23068LF	6	
1/2" X 7/8" Elbow Swivel Toilet Connectors Lead Free	23067LF	6	
<b>PLUGS BULK PACKAGED</b>			
3/8" Lead Free	UC512LF	10	\$1.45
1/2" Lead Free	UC514LF	25	\$1.45
3/4" Lead Free	UC518LF	25	\$1.95
1" Lead Free	UC520LF	10	\$3.65
Test Plug - 1-1/4" Barb	UC0435	40	\$12.00
Test Plug - 1-1/2" Barb	UC0441	30	\$20.00
Test Plug - 2" Barb	UC0454	20	\$32.50

<b>COPPER STUBOUT ELBOWS BULK PACKAGED (All copper stubout elbows are lead free)</b>			
1/2" X Closed (4" X 8")	22791	12	\$12.50
3/8" X 1/2" (4" X 4")	23069	6	\$11.50
1/2" X 1/2" (4" X 4")	23070	6	\$11.50
<b>COPPER MANIFOLDS WITH BARB BRANCHES BULK PACKAGED (1" Trunk with 3/4" barb inlets &amp; outlets and 1/2" barb ports - 2" on center) Lead Free</b>			
Manifold Bracket Set (for 1"-1.5" diameter manifolds)	25484Z	1	\$44.00
3 Port Closed	22783	1	\$39.00
3 Port Open	22784	1	\$39.00
4 Port Closed	22785	1	\$46.00
4 Port Open	22786	1	\$46.00
6 Port Closed	22787	1	\$55.00
6 Port Open	22788	1	\$55.00
8 Port Closed	22789	1	\$63.00
8 Port Open	22790	1	\$63.00
<b>WATER HAMMER ARRESTORS (PROVIDES MAINTENANCE-FREE, CONTINUOUS PROTECTION AGAINST WATER HAMMER. CAN BE POSITIONED VERTICALLY OR HORIZONTALLY)</b>			
1/2" Residential	25401	1	\$47.00
<b>BARB MANIFOLDS WITH BALL VALVES BULK PACKAGED LEAD FREE</b>			
Manifold 12 Port with Ball Valves	RM22712	1	\$330.00
Manifold 24 Port with Ball Valves	RM22724	1	\$560.00
12 Port with Brass Valves	PM012UP	1	\$290.00
24Port with Brass Valves	PM024UP	1	\$445.00
<b>BARB BALL VALVES BULK PACKAGED</b>			
1/2" Lead Free	22461LF	12	\$15.50
3/4" Lead Free	22462LF	12	\$21.50
1" Lead Free	22463LF	6	\$38.00
<b>SECTION 4-C : SHARKBITE® PEX POLY ALLOY FITTINGS</b>			
<b>COUPLINGS BULK PACKAGED</b>			
1/2" Straight Coupling Lead Free	UP008	25	\$0.90
3/4" Straight Coupling Lead Free	UP016	25	\$1.25
1" Straight Coupling Lead Free	UP020	25	\$2.35
<b>REDUCING COUPLINGS BULK PACKAGED</b>			
3/4" X 1/2" Reducing Coupling Lead Free	UP058	25	\$0.90
1" X 3/4" Reducing Coupling Lead Free	UP060	25	\$2.35
<b>CONNECTORS BULK PACKAGED</b>			
1/2" X 1/2" MNPT Straight Connector Lead Free	UP120	25	\$1.60
3/4" X 3/4" MNPT Straight Connector Lead Free	UP134	25	\$2.35
1" X 1" MNPT Straight Connector Lead Free	UP140	25	\$4.00
<b>REDUCING CONNECTORS BULK PACKAGED</b>			
3/4" X 1/2" MNPT Reducing Connector Lead Free	UP138	25	\$2.35
<b>ELBOWS BULK PACKAGED</b>			
1/2" Elbow Lead Free	UP248	25	\$1.25
3/4" Elbow Lead Free	UP256	25	\$1.70
1" Elbow Lead Free	UP260	25	\$3.05
<b>MALE ELBOWS BULK PACKAGED</b>			
1/2" X 1/2" MNPT Elbow Lead Free	UP280	25	\$2.55
<b>REDUCING ELBOWS BULK PACKAGED</b>			
3/4" X 1/2" Elbow Lead Free	UP274	25	\$1.70
<b>TEES BULK PACKAGED</b>			
3/8" Tee Lead Free	UP360	10	\$1.55
1/2" Tee Lead Free	UP362	25	\$1.55
3/4" Tee Lead Free	UP370	25	\$2.10
1" Tee Lead Free	UP374	25	\$3.75
<b>REDUCING TEES BULK PACKAGED</b>			
1/2" X 1/2" X 3/4" Tee Lead Free	UP408	25	\$2.10
3/4" X 3/4" X 1/2" Tee Lead Free	UP412	25	\$2.10
3/4" X 1/2" X 3/4" Tee Lead Free	UP444	25	\$2.10
3/4" X 1/2" X 1/2" Tee Lead Free	UP454	25	\$2.10
1" X 3/4" X 3/4" Tee Lead Free	UP414	25	\$3.75
1" X 1" X 1/2" Tee Lead Free	UP415	25	\$3.75
1" X 1" X 3/4" Tee Lead Free	UP416	25	\$3.75
<b>PLUGS BULK PACKAGED</b>			
1/2" Plug Lead Free	UP514	25	\$0.55
3/4" Plug Lead Free	UP518	25	\$0.80
1" Plug Lead Free	UP520	25	\$1.00
<b>ADAPTERS BULK PACKAGED</b>			
1/2" Female Swivel Adapter Lead Free	UP526	25	\$1.75

3/8" Female Swivel Adapter Lead Free	UP527	10	\$1.75
1/2" X 1/2" Swivel Elbow Adapter Lead Free	UP532	25	\$1.75
<b>Multi-Port Tees</b>			
POLY MULTI-PORT TEE 3 PORT OPEN	UPMPT3O	12	\$17.50
POLY MULTI-PORT TEE 3 PORT CLOSED	UPMPT3C	12	\$15.50
POLY MULTI-PORT TEE 4 PORT OPEN	UPMPT4O	12	\$26.00
POLY MULTI-PORT TEE 4 PORT CLOSED	UPMPT4C	12	\$21.00
<b>SECTION 4-D : SHARKBITE® PEX BARB STOP &amp; FIXTURE SUPPLY FITTINGS</b>			
<b>PEX CHROME PLATED 1/4 TURN ANGLE STOPS</b>			
1/2" X 3/8" OD Compression Angle Stop (Quarter Turn) Lead Free	23058LF	24	\$14.50
1/2" X 1/4" OD Compression Angle Stop (Quarter Turn) Lead Free	23056LF	6	\$14.50
<b>PEX CHROME PLATED 1/4 TURN STRAIGHT STOPS</b>			
3/8" X 3/8" Straight Stop (Quarter Turn) Lead Free	23382LF	6	\$14.50
1/2" X 3/8" OD Compression Straight Stop (Quarter Turn) Lead Free	23057LF	12	\$14.50
<b>PEX CHROME PLATED STRAIGHT STOPS</b>			
1/2" X 3/8" Compression Straight Stop Lead Free	23059LF	24	\$14.50
1/2" X 3/8" Straight Stop Lead Free	23062LF	6	\$14.50
1/2" X 1/2" MPT Straight Stop Lead Free	23061LF	6	\$14.50
1/2" X 1/2" Straight Stop Lead Free	23063LF	12	\$14.50
<b>PEX CHROME PLATED ANGLE STOPS</b>			
1/2" X 3/8" Compression Angle Stop Lead Free	23060LF	12	\$14.50
1/2" X 3/4" MHT Angle Stop Lead Free	23064LF	6	\$19.00
<b>PEX CHROME PLATED ANGLE DUAL OUTLET STOPS</b>			
1/2" X 3/8" X 3/8" Compression Angle Stop	23066LF	6	\$17.00
<b>SECTION 4-E : SHARKBITE® PEX BARB ACCESSORIES</b>			
<b>CLAMPS RINGS BULK PACKAGED (Stainless Steel)</b>			
3/8"	UC952	100	\$0.55
1/2"	UC953	100	\$0.55
5/8"	UC954	50	\$0.65
3/4"	UC955	100	\$0.75
1"	UC956	50	\$0.95
<b>CRIMP RINGS INDIVIDUALLY BAGGED (Copper)</b>			
3/8" (25 Pack)	23101CP25	6	\$12.00
3/8" (100 Pack)	23101CP100	6	\$45.00
1/2" (25 Pack)	23102CP25	24	\$12.00
1/2" (100 Pack)	23102CP100	6	\$45.00
3/4" (25 Pack)	23103CP25	12	\$15.50
3/4" (100 Pack)	23103CP100	6	\$58.00
1" (25 Pack)	23104CP25	6	\$23.50
<b>CRIMP RINGS BULK PACKAGED (Copper)</b>			
3/8"	23101	100	\$0.40
1/2"	23102	100	\$0.40
3/4"	23103	100	\$0.55
1"	23104	25	\$0.90
1-1/4" Copper Crimp Ring	24676	50	\$1.60
1-1/2" Copper Crimp Ring	24677	50	\$3.40
2" Copper Crimp Ring	24678	20	\$6.40
<b>PEX BEND SUPPORTS, SUSPENSION CLAMPS AND INSULATORS</b>			
3/8" J Hook Pex Pipe Clamp	23065	12	\$3.85
1/2" J Hook Pex Pipe Clamp (10 pack)	23220	12	\$3.85
1/2" J Hook Pex Pipe Clamp (100 pack)	23220Z100	5	\$22.00
3/4" J Hook Pex Pipe Clamp	23221	12	\$3.85
1/2" Insulated Suspension Clamp (10 Pack)	23071A10	6	\$11.00
3/4" Insulated Suspension Clamp (10 Pack)	23072A10	6	\$12.00
1" Insulated Suspension Clamp (10 Pack)	23073A10	6	\$12.50
1/2" Pipe Insulator (10 Pack)	23074A10	6	\$13.50
3/4" Pipe Insulator (10 Pack)	23075A10	6	\$16.00
1" Pipe Insulator (10 Pack)	23076A10	6	\$22.00
1/2" Polymer Bend Support with mounting bracket	23050	12	\$3.55
3/4" Polymer Bend Support	23051	6	\$5.80
1/2" Metal Pipe Support	23053	12	\$4.70
3/4" Metal Pipe Support	23054	12	\$7.50
<b>Radiant Installation Components</b>			
PEX Conduit Slab Support Elbow (for 1/2" PEX)	25490Z	10	\$5.30
3/8" - 1/2" PEX Foam Insulation Twist Clips (25 Pack)	25486Z25	6	\$15.00
3/8" - 1/2" PEX Wire Mesh Installation Clips, for Wire Mesh 1/8" - 3/16" OD (25 Pack)	25485Z25	6	\$12.50
<b>SECTION 4-F : SHARKBITE® PEX BARB TOOLS</b>			
<b>PEX CRIMP TOOLS</b>			
1/2", 3/4" PEX Combo Crimp Tool	23251	2	\$176.00

3/8", 1/2", 3/4" PEX Pocket Crimp Tool	23383	1	\$82.00
<b>PEX CRIMP TOOL KITS</b>			
PEX Crimp Ring Tool Kit	23100	2	\$295.00
Crimp Tool 1-1/4", 1-1/2", 2"	24675	1	\$580.00
<b>PEX CLAMP TOOLS</b>			
PEX Clamp Tool One-hand Operation	UC961	1	\$176.00
PEX Clamp Tool Standard Handles	23081	1	\$164.00
<b>PEX TUBING CUTTERS</b>			
PEX Tubing Cutter	U701	1	\$26.00
Pro PEX Cutter with Replaceable Blade	25880	3	\$85.00
Replaceable Blade for 25880	25882	100	\$65.00
<b>CRIMP RING GAUGES</b>			
3/8", 1/2", 3/4" PEX Crimp Ring Gauge	23080	6	\$8.80
<b>CRIMP RING REMOVAL TOOL</b>			
PEX Crimp Ring Removal Tool	23055	6	\$62.00
<b>PEX Decoiler</b>			
PEX Decoiler	UFH034	1	\$780.00
<b>PEX CHAMFER TOOLS</b>			
EvoPEX Chamfer Tool 1" X 3/4" X 1/2"	25829	1	\$132.00
<b>SECTION 5 : SHARKBITE® PEX TUBING</b>			
<b>SECTION 5-A : POTABLE WATER PEX TUBING</b>			
<b>PEX TUBING (Coils)</b>		<b>WHITE</b>	
1/4" 50' Coil White Tubing Lead Free	U850W50	1	\$25.90
3/8" 50' Coil Tubing Lead Free	U855W50	1	\$28.95
3/8" 100' Coil Tubing Lead Free	U855W100	1	\$57.95
1/2" 25' Coil Tubing Lead Free	U860W25	1	\$16.28
1/2" 50' Coil Tubing Lead Free	U860W50	1	\$32.55
1/2" 100' Coil Tubing Lead Free	U860W100	1	\$65.10
1/2" 300' Coil Tubing Lead Free	U860W300	1	\$195.30
1/2" 500' Coil Tubing Lead Free	U860W500	1	\$325.50
3/4" 25' Coil Tubing Lead Free	U870W25	1	\$28.88
3/4" 50' Coil Tubing Lead Free	U870W50	1	\$57.75
3/4" 100' Coil Tubing Lead Free	U870W100	1	\$115.50
3/4" 300' Coil Tubing Lead Free	U870W300	1	\$346.50
3/4" 500' Coil Tubing Lead Free	U870W500	1	\$577.50
1" 100' Coil Tubing Lead Free	U880W100	1	\$203.70
1" 300' Coil Tubing Lead Free	U880W300	1	\$611.10
1" 500' Coil Tubing Lead Free	U880W500	1	\$1,018.50
1-1/4" 100' Coil Tubing Lead Free	U885W100	1	\$383.25
1-1/2" 100' Coil Tubing Lead Free	U890W100	1	\$577.50
2" 100' Coil Tubing Lead Free	U895W100	1	\$1,092.00
<b>PEX TUBING (Coils)</b>		<b>RED</b>	
3/8" 100' Coil Tubing Lead Free	U855R100	1	\$57.95
1/2" 25' Coil Tubing Lead Free	U860R25	1	\$16.28
1/2" 50' Coil Tubing Lead Free	U860R50	1	\$32.55
1/2" 100' Coil Tubing Lead Free	U860R100	1	\$65.10
1/2" 300' Coil Tubing Lead Free	U860R300	1	\$195.30
1/2" 500' Coil Tubing Lead Free	U860R500	1	\$325.50
3/4" 25' Coil Tubing Lead Free	U870R25	1	\$28.88
3/4" 50' Coil Tubing Lead Free	U870R50	1	\$57.75
3/4" 100' Coil Tubing Lead Free	U870R100	1	\$115.50
3/4" 300' Coil Tubing Lead Free	U870R300	1	\$346.50
3/4" 500' Coil Tubing Lead Free	U870R500	1	\$577.50
1" 100' Coil Tubing Lead Free	U880R100	1	\$203.70
1" 300' Coil Tubing Lead Free	U880R300	1	\$611.10
1" 500' Coil Tubing Lead Free	U880R500	1	\$1,018.50
<b>PEX TUBING (Coils)</b>		<b>BLUE</b>	
3/8" 100' Coil Tubing Lead Free	U855B100	1	\$57.95
1/2" 25' Coil Tubing Lead Free	U860B25	1	\$16.28
1/2" 50' Coil Tubing Lead Free	U860B50	1	\$32.55
1/2" 100' Coil Tubing Lead Free	U860B100	1	\$65.10
1/2" 300' Coil Tubing Lead Free	U860B300	1	\$195.30
1/2" 500' Coil Tubing Lead Free	U860B500	1	\$325.50
3/4" 25' Coil Tubing Lead Free	U870B25	1	\$28.88
3/4" 50' Coil Tubing Lead Free	U870B50	1	\$57.75
3/4" 100' Coil Tubing Lead Free	U870B100	1	\$115.50
3/4" 300' Coil Tubing Lead Free	U870B300	1	\$346.50
3/4" 500' Coil Tubing Lead Free	U870B500	1	\$577.50
1" 100' Coil Tubing Lead Free	U880B100	1	\$203.70

1" 300' Coil Tubing Lead Free	U880B300	1	\$611.10
1" 500' Coil Tubing Lead Free	U880B500	1	\$1,018.50
<b>White PEX TUBING (Straight Lengths)</b>	<b>WHITE</b>		
1/4" 5' Length White Tubing Lead Free	U850W5	20	\$2.78
3/8" 5' Length Tubing Lead Free	U855W5	10	\$3.15
3/8" 10' Length Tubing Lead Free	U855W10	10	\$6.30
1/2" 2' Length Tubing Lead Free	U860W2	60	\$2.78
1/2" 5' Length Tubing Lead Free	U860W5	10	\$3.50
1/2" 10' Length Tubing Lead Free	U860W10	10	\$7.01
1/2" 20' Length Tubing Lead Free	U860W20	10	\$14.01
3/4" 2" Length Tubing Lead Free	U870W2	30	\$4.94
3/4" 5' Length Tubing Lead Free	U870W5	10	\$6.22
3/4" 10' Length Tubing Lead Free	U870W10	10	\$12.43
3/4" 20' Length Tubing Lead Free	U870W20	10	\$24.86
1" 5' Length Tubing Lead Free	U880W5	5	\$10.96
1" 10' Length Tubing Lead Free	U880W10	5	\$21.92
1" 20' Length Tubing Lead Free	U880W20	5	\$43.84
1-1/4" 20' Length Tubing Lead Free	U885W20	5	\$82.95
1-1/2" 20' Length Tubing Lead Free	U890W20	5	\$123.90
2" 20' Length Tubing Lead Free	U895W20	3	\$236.25
<b>PEX TUBING (Straight Lengths)</b>	<b>RED</b>		
1/2" 2' Length Tubing Lead Free	U860R2	60	\$2.78
1/2" 5' Length Tubing Lead Free	U860R5	10	\$3.50
1/2" 10' Length Tubing Lead Free	U860R10	10	\$7.01
1/2" 20' Length Tubing Lead Free	U860R20	10	\$14.01
3/4" 2" Length Tubing Lead Free	U870R2	30	\$4.94
3/4" 5' Length Tubing Lead Free	U870R5	10	\$6.22
3/4" 10' Length Tubing Lead Free	U870R10	10	\$12.43
3/4" 20' Length Tubing Lead Free	U870R20	10	\$24.86
1" 5' Length Tubing Lead Free	U880R5	5	\$10.96
1" 10' Length Tubing Lead Free	U880R10	5	\$21.92
1" 20' Length Tubing Lead Free	U880R20	5	\$43.84
<b>PEX TUBING (Straight Lengths)</b>	<b>BLUE</b>		
1/2" 2' Length Tubing Lead Free	U860B2	60	\$2.78
1/2" 5' Length Tubing Lead Free	U860B5	10	\$3.50
1/2" 10' Length Tubing Lead Free	U860B10	10	\$7.01
1/2" 20' Length Tubing Lead Free	U860B20	10	\$14.01
3/4" 2" Length Tubing Lead Free	U870B2	30	\$4.94
3/4" 5' Length Tubing Lead Free	U870B5	10	\$6.22
3/4" 10' Length Tubing Lead Free	U870B10	10	\$12.43
3/4" 20' Length Tubing Lead Free	U870B20	10	\$24.86
1" 5' Length Tubing Lead Free	U880B5	5	\$10.96
1" 10' Length Tubing Lead Free	U880B10	5	\$21.92
1" 20' Length Tubing Lead Free	U880B20	5	\$43.84
<b>SECTION 5-B : SPECIAL APPLICATION PEX TUBING</b>			
<b>RECLAIMED WATER PEX TUBING</b>	<b>RECLAIMED</b>		
1/2" 100' Coil Purple Tubing Lead Free	U860P100	1	\$76.65
1/2" 300' Coil Purple Tubing Lead Free	U860P300	1	\$229.95
3/4" 100' Coil Purple Tubing Lead Free	U870P100	1	\$142.80
3/4" 300' Coil Purple Tubing Lead Free	U870P300	1	\$428.40
1" 100' Coil Purple Tubing Lead Free	U880P100	1	\$241.50
1" 300' Coil Purple Tubing Lead Free	U880P300	1	\$724.50
<b>OXYGEN BARRIER PEX TUBING (Coils)</b>	<b>OXYGEN BARRIER</b>		
3/8" 100' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U855O100	1	\$90.30
3/8" 300' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U855O300	1	\$270.90
3/8" 500' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U855O500	1	\$451.50
1/2" 100' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U860O100	1	\$90.30
1/2" 300' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U860O300	1	\$270.90
1/2" 500' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U860O500	1	\$451.50
1/2" 1000' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U860O1000	1	\$903.00
5/8" 300' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U865O300	1	\$383.25
3/4" 100' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U870O100	1	\$165.90
3/4" 300' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U870O300	1	\$497.70
3/4" 500' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U870O500	1	\$829.50
3/4" 1000' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U870O1000	1	\$1,659.00
1" 100' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U880O100	1	\$283.50
1" 300' Coil PEX Tubing Orange Color w/ Black Text Lead Free	U880O300	1	\$850.50
<b>OXYGEN BARRIER PEX TUBING (Straight Lengths)</b>	<b>OXYGEN BARRIER</b>		
1/2" 10' Length O2 barrier PEX Tubing Orange Color	U860O10	10	\$9.66

1/2" 20' Length O2 barrier PEX Tubing Orange Color Lead Free	U860020	10	\$19.25
3/4" 20' Length O2 barrier PEX Tubing Orange Color Lead Free	U870020	10	\$36.23
1" 20' Length O2 barrier PEX Tubing Orange Color Lead Free	U880020	5	\$61.95
<b>SECTION 6: CASH ACME PRESSURE REGULATING VALVES</b>			
<b>SECTION 6-A : EB45 (For additional pressure settings or gauge connection bodies contact customer service)</b>			
<b>EB45 LEAD FREE SHARKBITE CONNECTIONS (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB45-DSB Direct SharkBite	23807-0045	1	\$215.00
1/2" EB45-DSB Direct SharkBite Metal Top	24472-0045	1	\$240.00
1/2" EB45-SDSB Slip Feature Direct SharkBite	24383-0045	1	\$265.00
1/2" EB45-SDSB Slip Feature Direct SharkBite Metal Top	24474-0045	1	\$285.00
1/2" EB45-DUSB Double Union SharkBite	23893-0045	1	\$265.00
1/2" EB45-DUSB Double Union SharkBite Metal Top	24476-0045	1	\$285.00
3/4" EB45-DSB Direct SharkBite	23808-0045	1	\$220.00
3/4" EB45-DSB Direct SharkBite Metal Top	24473-0045	1	\$245.00
3/4" EB45-SDSB Slip Feature Direct SharkBite	24384-0045	1	\$270.00
3/4" EB45-SDSB Slip Feature Direct SharkBite Metal Top	24475-0045	1	\$295.00
3/4" EB45-DUSB Double Union SharkBite	23894-0045	1	\$270.00
3/4" EB45-DUSB Double Union SharkBite Metal Top	24477-0045	1	\$295.00
3/4" EB-45 Double Union SharkBite (60 PSI Setting)	23896-0060	1	\$295.00
3/4" EB45-DUSB Double Union SharkBite with Gauge Port	24449-0045	1	\$295.00
1" EB45-DSB Direct SharkBite	22675-0045	1	\$295.00
1" EB45-DUSB Double Union SharkBite	23358-0045	1	\$345.00
1" EB45-DUSB Double Union SharkBite (60 PSI Setting)	23945-0060	1	\$385.00
<b>EB45 LEAD FREE THREADED NPT (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB45 Threaded NPT	23880-0045	1	\$194.00
1/2" EB45 Threaded NPT Metal Top	24460-0045	1	\$220.00
3/4" EB45 Threaded NPT	23881-0045	1	\$200.00
3/4" EB45 Threaded NPT Metal Top	24461-0045	1	\$220.00
1" EB45 Threaded NPT	23164-0045	1	\$265.00
1-1/4" EB45 Threaded NPT	23166-0045	1	\$650.00
1-1/2" EB45 Threaded NPT	23167-0045	1	\$1,000.00
2" EB45 Threaded NPT	23160-0045	1	\$1,200.00
<b>EB45-U LEAD FREE SINGLE UNION THREADED (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB45-U Single Union Threaded	23882-0045	1	\$220.00
1/2" EB45-U Single Union Threaded Metal Top	24462-0045	1	\$245.00
3/4" EB45-U Single Union Threaded	23883-0045	1	\$220.00
3/4" EB45-U Single Union Threaded Metal Top	24463-0045	1	\$250.00
3/4" EB45-U Union Inlet w/gauge connection	24446-0045	1	\$250.00
1" EB45-U Single Union Threaded	23155-0045	1	\$295.00
1" EB45-U Union Inlet w/gauge connection	24450-0045	1	\$325.00
1-1/4" EB45-U Single Union Threaded	23158-0045	1	\$710.00
1-1/2" EB45-U Single Union Threaded	23168-0045	1	\$1,120.00
2" EB45-U Single Union Threaded	23161-0045	1	\$1,340.00
<b>EB45-C LEAD FREE SINGLE UNION SWEAT (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB45-C Single Union Sweat	23886-0045	1	\$220.00
1/2" EB45-C Single Union Sweat Metal Top	24466-0045	1	\$245.00
3/4" EB45-C Single Union Sweat	23887-0045	1	\$220.00
3/4" EB45-C Single Union Sweat Metal Top	24467-0045	1	\$250.00
3/4" EB45-C Valve Assy w/gauge connection	24447-0045	1	\$250.00
1" EB45-C Single Union Sweat	23165-0045	1	\$295.00
1" EB45-C Valve Assy w/gauge connection	24451-0045	1	\$325.00
1-1/4" EB45-C Single Union Sweat	23908-0045	1	\$710.00
1-1/2" EB45-C Single Union Sweat	23909-0045	1	\$1,120.00
2" EB45-C Single Union Sweat	23910-0045	1	\$1,340.00
<b>EB45-DU LEAD FREE DOUBLE UNION THREADED (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB45-DU Double Union Threaded	23884-0045	1	\$245.00
1/2" EB45-DU Double Union Threaded Metal Top	24464-0045	1	\$270.00
3/4" EB45-DU Double Union Threaded	23885-0045	1	\$250.00
3/4" EB45-DU Double Union Threaded Metal Top	24465-0045	1	\$270.00
1" EB45-DU Double Union Threaded	23156-0045	1	\$325.00
1-1/4" EB45-DU Double Union Threaded	23905-0045	1	\$810.00
1-1/2" EB45-DU Double Union Threaded	23906-0045	1	\$1,230.00
2" EB45-DU Double Union Threaded	23907-0045	1	\$1,460.00



<b>EB45-CC LEAD FREE DOUBLE UNION SWEAT (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB45-CC Double Union Sweat	23888-0045	1	\$245.00
1/2" EB45-CC Double Union Sweat Metal Top	24468-0045	1	\$270.00
3/4" EB45-CC Double Union Sweat	23889-0045	1	\$250.00
3/4" EB45-CC Double Union Sweat Metal Top	24469-0045	1	\$270.00
1" EB45-CC Double Union Sweat	23157-0045	1	\$325.00
1-1/4" EB45-CC Double Union Sweat	23159-0045	1	\$810.00
1-1/2" EB45-CC Double Union Sweat	23898-0045	1	\$1,230.00
2" EB45-CC Double Union Sweat	23899-0045	1	\$1,460.00
<b>EB45-DUPE LEAD FREE DOUBLE UNION PEX ENDS (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB45-DUPE Double Union PEX Ends	23891-0045	1	\$250.00
3/4" EB45-DUPE Double Union PEX Ends Metal Top	24471-0045	1	\$270.00
1" EB45-DUPE Double Union PEX Ends	23942-0045	1	\$325.00
<b>EB45-DUCPVC LEAD FREE DOUBLE UNION CPVC ENDS (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB45-DUCPVC Double Union CPVC Ends	23890-0045	1	\$250.00
3/4" EB45-DUCPVC Double Union CPVC Ends Metal Top	24470-0045	1	\$270.00
1" EB45-DUCPVC Double Union CPVC Ends	23941-0045	1	\$325.00
<b>EB45-DEX LEAD FREE DOUBLE UNION COLD EXPANSION ENDS (Factory set at 45 psi, adjustable from 10-70 psi. Integral By-pass Feature. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB45-DEX Double Union Cold Expansion	25870-0045	1	\$250.00
3/4" EB45-DEX Double Union Cold Expansion	25871-0045	1	\$250.00
1" EB45-DEX Double Union Cold Expansion	25872-0045	1	\$325.00
1-1/4" EB45-DEX Double Union Cold Expansion	25873-0045	1	\$810.00
1-1/2" EB45-DEX Double Union Cold Expansion	25874-0045	1	\$1,230.00
2" EB45-DEX LF Double Union Cold Expansion	25875-0045	1	\$1,460.00
<b>EB45 BYPASS KITS</b>			
1" EB45 Double Union Threaded NPT Temporary Bypass Kit	22937	1	\$70.00
1" EB45 Double Union CC Temporary Bypass Kit	22938	1	\$70.00
1-1/4" EB45 Double Union Threaded NPT Temporary Bypass Kit	22942	1	\$156.00
1-1/4" EB45 Double Union CC Temporary Bypass Kit	22943	1	\$156.00
<b>SECTION 6-B : EB25</b>			
3/4" EB25-DUSB Double Union SharkBite	23955-0045	1	\$325.00
1" EB25-DUSB Double Union SharkBite	23956-0045	1	\$420.00
<b>EB25 LEAD FREE THREADED NPT (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/ Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB25 Threaded NPT Stainless Steel Valve	22263-0045	1	\$245.00
1" EB25 Threaded NPT Stainless Steel Valve	22266-0045	1	\$315.00
<b>EB25-U LEAD FREE SINGLE UNION THREADED (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB25-U Single Union Threaded	23135-0045	1	\$270.00
3/4" EB25-U Single Union Threaded	23136-0045	1	\$270.00
1" EB25-U Single Union Threaded	23138-0045	1	\$345.00
1-1/4" EB25-U Single Union Threaded	23141-0045	1	\$870.00
1-1/2" EB25-U Single Union Threaded	23144-0045	1	\$1,340.00
2" EB25-U Single Union Threaded	23145-0045	1	\$1,610.00
<b>EB25-U NON-POTABLE SINGLE UNION THREADED (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
1-1/4" EB25-U Single Union Threaded	22249-0045	1	\$710.00
1-1/2" EB25-U Single Union Threaded	22321-0045	1	\$1,120.00
2" EB25-U Single Union Threaded	22323-0045	1	\$1,340.00
<b>EB25-C LEAD FREE SINGLE UNION SWEAT (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
1/2" EB25-C Single Union Sweat	23952-0045	1	\$270.00
3/4" EB25-C Single Union Sweat	23953-0045	1	\$270.00
1" EB25-C Single Union Sweat	23954-0045	1	\$345.00
1-1/4" EB25-C Single Union Sweat	23964-0045	1	\$870.00
1-1/2" EB25-C Single Union Sweat	23965-0045	1	\$1,340.00
2" EB25-C Single Union Sweat	23966-0045	1	\$1,610.00
<b>EB25-C NON-POTABLE SINGLE UNION SWEAT (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
1-1/4" EB25-C Single Union Sweat	22331-0045	1	\$710.00
1-1/2" EB25-C Single Union Sweat	22332-0045	1	\$1,120.00
2" EB25-C Single Union Sweat	22333-0045	1	\$1,340.00
<b>EB25-DU LEAD FREE DOUBLE UNION THREADED (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB25-DU Double Union Threaded Stainless Steel Valve	22264-0045	1	\$295.00

1" EB25-DU Double Union Threaded Stainless Steel Valve	22267-0045	1	\$385.00
1-1/4" EB25-DU Double Union Threaded	23142-0045	1	\$950.00
1-1/2" EB25-DU Double Union Threaded	23967-0045	1	\$1,480.00
2" EB25-DU Double Union Threaded	23968-0045	1	\$1,770.00
<b>EB25-DU NON-POTABLE DOUBLE UNION THREADED (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
1-1/4" EB25-DU Double Union Threaded	22250-0045	1	\$810.00
1-1/2" EB25-DU Double Union Threaded	22322-0045	1	\$1,230.00
2" EB25-DU Double Union Threaded	22324-0045	1	\$1,460.00
<b>EB25-CC LEAD FREE DOUBLE UNION SWEAT (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB25-CC Double Union Sweat	23137-0045	1	\$295.00
1" EB25-CC Double Union Sweat	23139-0045	1	\$385.00
1-1/4" EB25-CC Double Union Sweat	23143-0045	1	\$950.00
1-1/2" EB25-CC Double Union Sweat	23969-0045	1	\$1,480.00
2" EB25-CC Double Union Sweat	23970-0045	1	\$1,770.00
<b>EB25-CC NON-POTABLE DOUBLE UNION SWEAT (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
1-1/4" EB25-CC Double Union Sweat	22317-0045	1	\$810.00
1-1/2" EB25-CC Double Union Sweat	22427-0045	1	\$1,230.00
2" EB25-CC Double Union Sweat	22428-0045	1	\$1,460.00
<b>EB25-DUPE LEAD FREE DOUBLE UNION PEX ENDS (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB25-DUPE Double Union PEX Ends	23957-0045	1	\$295.00
1" EB25-DUPE Double Union PEX Ends	23140-0045	1	\$385.00
<b>EB25-DEX LEAD FREE DOUBLE UNION COLD EXPANSION ENDS (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB25-DEX Double Union Cold Expansion Ends	25929-0045	1	\$295.00
1" EB25-DEX Double Union Cold Expansion Ends	25930-0045	1	\$385.00
1-1/4" EB25-DEX Double Union Cold Expansion Ends	25931-0045	1	\$950.00
1-1/2" EB25-DEX Double Union Cold Expansion Ends	25932-0045	1	\$1,480.00
2" EB25-DEX Double Union Cold Expansion Ends	25933-0045	1	\$1,770.00
<b>EB25 LEAD FREE CONTRACTOR KITS (Valve Body and Temporary Cap with Strainer)</b>			
3/4" EB25-U Single Union Threaded Contractor Kit	24395	1	\$118.00
1" EB25-U Single Union Threaded Contractor Kit	24396	1	\$200.00
1" EB25-C Single Union Sweat Contractor Kit	24397	1	\$200.00
1-1/4" EB25-U Single Union Threaded Contractor Kit	24398	1	\$405.00
1-1/4" EB25-C Single Union Sweat Contractor Kit	23147	1	\$405.00
<b>EB25 LEAD FREE CARTRIDGE KIT (Cartridge and Screen for Contractor Kits)</b>			
1/2"-1" EB25 Cartridge Kit	23148	1	\$152.00
1-1/4"-2" EB25 Cartridge Kit	23149	1	\$470.00
<b>EB25 DIRECT BURIAL COVER KIT (Includes Plastic Cover and O-ring)</b>			
1/2"-1" EB25 Direct Burial Cover Kit	22224	1	\$22.00
<b>EB25 LEAD FREE STAINLESS STEEL THREADED NPT (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB25 Threaded NPT	22263-0045	1	\$245.00
1" EB25 Threaded NPT	22266-0045	1	\$315.00
<b>EB25-DU LEAD FREE STAINLESS STEEL DOUBLE UNION THREADED (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
3/4" EB25-DU Double Union Threaded	22264-0045	1	\$295.00
1" EB25-DU Double Union Threaded	22267-0045	1	\$385.00
<b>EB25 LEAD FREE MULTI-CARTRIDGE (Factory set at 55 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator.)</b>			
2-1/2" EB25 Multi-Cartridge Threaded NPT	23994-0055	1	\$3,090.00
2-1/2" EB25 Multi-Cartridge Flanged	23996-0055	1	\$4,150.00
3" EB25 Multi-Cartridge Threaded NPT	23995-0055	1	\$4,370.00
3" EB25 Multi-Cartridge Flanged	23997-0055	1	\$5,910.00
4" EB25 Multi-Cartridge Flanged	23998-0055	1	\$7,060.00
<b>EB25 NON-POTABLE MULTI-CARTRIDGE (Factory set at 55 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/Pressure Indicator.)</b>			
2-1/2" EB25 Multi-Cartridge Threaded NPT	22391-0055	1	\$2,570.00
2-1/2" EB25 Multi-Cartridge Flanged	22624-0055	1	\$3,450.00
3" EB25 Multi-Cartridge Threaded NPT	22396-0055	1	\$3,650.00
<b>EB25 LEAD FREE SHARKBITE CONNECTION (Factory set at 45 psi, adjustable from 20-90 psi. Integral By-pass Feature. Full Cartridge w/ Pressure Indicator. Listed by IAPMO &amp; ASSE)</b>			
3" EB25 Multi-Cartridge Flanged	22625-0055	1	\$4,940.00
<b>SECTION 6-C : E3 (For additional pressure settings contact customer service. Nonstandard pressure settings incur a 10% price premium.)</b>			

<b>E3 LEAD FREE THREADED NPT (Factory set at 45 psi, adjustable from 20-70 psi. Listed by IAPMO &amp; ASSE.)</b>			
1/2" E3 Threaded NPT	24700-0045	1	\$770.00
3/4" E3 Threaded NPT	24703-0045	1	\$770.00
1" E3 Threaded NPT	24706-0045	1	\$1,000.00
1-1/4" E3 Threaded NPT	24709-0045	1	\$2,470.00
1-1/2" E3 Threaded NPT	24712-0045	1	\$3,880.00
2" E3 Threaded NPT	24715-0045	1	\$4,610.00
<b>SECTION 6-D : E41 (For additional pressure settings contact customer service. Nonstandard pressure settings incur a 10% price premium.)</b>			
<b>E41 LEAD FREE THREADED NPT (Factory set at 45 psi, adjustable from 20-70 psi. Listed by ASSE.)</b>			
1/2" E41 Threaded NPT	24478-0045	1	\$640.00
3/4" E41 Threaded NPT	24480-0045	1	\$650.00
1" E41 Threaded NPT	24482-0045	1	\$840.00
1-1/4" E41 Threaded NPT	24484-0045	1	\$2,050.00
1-1/2" E41 Threaded NPT	24486-0045	1	\$3,220.00
2" E41 Threaded NPT	24487-0045	1	\$3,870.00
<b>SECTION 6-E : E56 (For additional pressure settings contact customer service. Nonstandard pressure settings incur a 10% price premium.)</b>			
<b>E56 LEAD FREE HIGH CAPACITY REGULATOR (Factory set at 45 psi. Contact Customer Service for additional pressure settings.)</b>			
2" E56 Threaded NPT	24454-0045	1	\$3,870.00
2" E56 Flanged	24457-0045	1	\$5,220.00
2-1/2" E56 Threaded NPT	24455-0045	1	\$4,560.00
2-1/2" E56 Flanged	24458-0045	1	\$6,120.00
3" E56 Threaded NPT	24456-0045	1	\$6,480.00
3" E56 Flanged	24459-0045	1	\$8,740.00
<b>SECTION 6-F : EB75 (For additional pressure settings contact customer service. )</b>			
<b>EB75 NON-POTABLE PRESSURE REGULATORS FOR WATER &amp; AIR</b>			
1/2" EB75 FPT X FPT (Valve is not a cartridge based design; 0-20 psi range)	20658-0005	1	\$108.00
3/4" EB75 FPT X FPT (Valve is not a cartridge based design; 0-20 psi range)	20662-0005	1	\$110.00
1/2" EB75 FPT X FPT (Cartridge based design; 10-70 psi range)	22999-0045	1	\$91.00
3/4" EB75 FPT X FPT (Cartridge based design; 10-70 psi range)	23000-0045	1	\$92.00
<b>E75P NON-POTABLE PRESSURE REGULATORS FOR PROPANE (Plastic T-Handle, Diaphragm Liner. Standard pressure range 0-20 psi)</b>			
1/2" Threaded Inlet	20657-0008	1	\$104.00
1/2" Threaded Inlet with Clean-Out Plug	20664-0010	1	\$104.00
<b>SECTION 6-G : CASH ACME PRESSURE REGULATOR REPAIR KITS</b>			
<b>EB45 REPAIR KITS</b>			
EB45 Cartridge Kit-Compact Model (1/2"-3/4" Compact Models)	23870	1	\$75.00
EB45 Cartridge Kit-Classic Model (1/2"-1" Classic Models)	22595	1	\$84.00
EB45 Cartridge Kit-(1-1/4"-2" Models)	23871	1	\$300.00
<b>EB25 REPAIR KITS</b>			
EB25 Cartridge Kit-(1/2"-1" Models)	23148	1	\$152.00
EB25 Cartridge Kit-(1-1/4"-2" Models and Multi-Cartridge)	23149	1	\$470.00
<b>E3 REPAIR KITS</b>			
1/2" Repair Kit	11488	1	\$130.00
3/4" Repair Kit	11489	1	\$152.00
1" Repair Kit	11490	1	\$220.00
1-1/4" Repair Kit	11491	1	\$330.00
1-1/2" Repair Kit	11492	1	\$420.00
2" Repair Kit	11493	1	\$520.00
<b>E41 REPAIR KITS</b>			
1/2" Repair Kit	11259	1	\$99.00
3/4" Repair Kit	11260	1	\$118.00
1" Repair Kit	11261	1	\$174.00
1-1/4" Repair Kit	11262	1	\$265.00
1-1/2" Repair Kit	11263	1	\$295.00
2" Repair Kit	11264	1	\$375.00
<b>E56 REPAIR KITS</b>			
All Repair Kit	20778	1	\$375.00
<b>EB86 REPAIR KITS</b>			
1/2" or 3/4" Repair Kit	14511	1	\$89.00
1" Repair Kit	14512	1	\$106.00
1-1/4" Repair Kit	17073	1	\$255.00
1-1/2" Repair Kit	17078	1	\$270.00
2" Repair Kit	17083	1	\$300.00
<b>SECTION 7: CASH ACME THERMOSTATIC MIXING VALVES</b>			
<b>SECTION 7-A: DISTRIBUTION &amp; IN-LINE THERMOSTATIC MIXING VALVES</b>			

<b>TANK BOOSTER PRO LEAD FREE (ASSE 1017, 1070, &amp; CSA B 125.3)</b>			
3/4" Heatguard Tank Booster Pro with Braided Hose & Integral Checks	24832	1	\$270.00
3/4" Heatguard Tank Booster Pro with Corrugated Hose & Integral Checks	24639	1	\$270.00
3/4" Heatguard Tank Booster Pro with Corrugated Hose, Integral Checks, & Temp Gauge	24644	1	\$300.00
3/4" Heatguard Tank Booster Pro with Braided Hose, Integral Checks, & Temp Gauge	24643	1	\$300.00
<b>HG110-D LEAD FREE (ASSE 1017, 1069, 1070, &amp; CSA B 125.3)</b>			
1/2" HG110-D with SharkBite Connections and Integral Checks	24504	1	\$255.00
3/4" HG110-D with SharkBite Connections and Integral Checks	24505	1	\$260.00
1/2" HG110-D with Threaded FNPT Connections and Integral Checks	24510	1	\$255.00
3/4" HG110-D with Threaded MNPT Connections and Integral Checks	24511	1	\$260.00
3/4" HG110-D with Threaded FNPT Connections and Integral Checks	25523	1	\$260.00
1/2" HG110-D with Sweat Connections and Integral Checks	24501	1	\$245.00
3/4" HG110-D with Sweat Connections and Integral Checks	24502	1	\$245.00
1" HG110-D with Sweat Connections and Integral Checks	24503	1	\$255.00
1/2" HG110-D with CPVC Connections and Integral Checks	24508	1	\$245.00
3/4" HG110-D with CPVC Connections and Integral Checks	24509	1	\$245.00
1/2" HG110-D with Barb Connections and Integral Checks	24506	1	\$245.00
3/4" HG110-D with Barb Connections and Integral Checks	24507	1	\$245.00
1/2" HG110-D with Cold Expansion Connections and Integral Checks	25948	1	\$245.00
3/4" HG110-D with Cold Expansion Connections and Integral Checks	25949	1	\$245.00
<b>HG110-D WITH INTEGRATED SHARKBITE CONNECTIONS LEAD FREE</b>			
1/2" HG110-D with Integrated SharkBite Connections	24548	1	\$285.00
3/4" HG110-D with Integrated SharkBite Connections	24549	1	\$285.00
<b>SECTION 7-B: IN-LINE THERMOSTATIC MIXING VALVES</b>			
<b>HG160 LEAD FREE (ASSE 1069, 1070, &amp; CSA B125.3)</b>			
1/2" HG160 with SharkBite Connections and Integral Checks	24529	1	\$270.00
3/4" HG160 with SharkBite Connections and Integral Checks	24530	1	\$270.00
1/2" HG160 with Threaded NPT Connections and Integral Checks	24536	1	\$270.00
1/2" HG160 with Sweat Connections and Integral Checks	24528	1	\$255.00
1/2" HG160 with CPVC Connections and Integral Checks	24533	1	\$255.00
3/4" HG160 with CPVC Connections and Integral Checks	24534	1	\$255.00
1/2" HG160 with Barb Connections and Integral Checks	24531	1	\$255.00
3/4" HG160 with Barb Connections and Integral Checks	24532	1	\$255.00
<b>HG145 LEAD FREE (ASSE 1070 &amp; CSA B 125.3)</b>			
3/8" HG145 with Compression Connections and Integral Checks	24524	1	\$180.00
3/8" HG145 with Compression Connections, Tee & Elbow and Integral Checks	24525	1	\$192.00
3/8" HG135 with Chrome Finish, Compression Connections and Integral Checks	25686	1	\$180.00
3/8" HG135 with Chrome Finish, Compression Connections, Integral Checks, and tee & elbow configuration	25687	1	\$192.00
<b>SECTION 7-C: RADIANT HEATING THERMOSTATIC MIXING VALVES</b>			
<b>HG110-HX NON-POTABLE (Radiant Applications) (ASSE 1017 &amp; CSA B 125.3)</b>			
1/2" HG110-HX with Threaded NPT Connections and Integral Checks	24517	1	\$255.00
3/4" HG110-HX with Threaded NPT Connections and Integral Checks	24518	1	\$260.00
1/2" HG110-HX with Sweat Connections and Integral Checks	24513	1	\$245.00
3/4" HG110-HX with Sweat Connections and Integral Checks	24514	1	\$245.00
3/4" HG110-HX with SharkBite Connections and Integral Checks	24867	1	\$220.00
1" HG110-HX with Sweat Connections and Integral Checks	24515	1	\$255.00
1/2" HG110-HX with Cold Expansion Connections and Integral Checks	25947	1	\$245.00
3/4" HG110-HX with Cold Expansion Connections and Integral Checks	25983	1	\$245.00
<b>SECTION 7-D: HIGH CAPACITY THERMOSTATIC MIXING VALVES</b>			
<b>HG115 LEAD FREE HIGH CAPACITY (ASSE 1017 &amp; CSA B 125.3)</b>			
3/4" HG115 with Threaded NPT Connections and Integral Checks	24522	1	\$560.00
3/4" HG115 with Sweat Connections and Integral Checks	24519	1	\$550.00
1" HG115 with Sweat Connections and Integral Checks	24520	1	\$560.00
1-1/4" HG115 with Sweat Connections and Integral Checks	24521	1	\$570.00
<b>SECTION 7-E: SHUT-OFF THERMOSTATIC MIXING VALVES</b>			
<b>HEATGUARD TAFR LEAD FREE SHUT-OFF DEVICE (ASSE 1062 &amp; CSA B 125.3)</b>			
1/2" Shower Device	24718	1	\$86.00
1/2" Tap Device (For Faucet Spout)	24719	1	\$106.00
<b>SECTION 7-F: MASTER DISTRIBUTION NON-POTABLE THERMOSTATIC MIXING VALVES</b>			
<b>MASTERGUARD 600 SERIES HIGH CAPACITY LEAD FREE (ASSE 1017 &amp; CSA B 125.3)</b>			
MasterGuard 630 3/4" Inlet X 1" Outlet LF	25763	1	\$2,340.00
MasterGuard 640 1" Inlet X 1-1/4" Outlet LF	25764	1	\$2,440.00
MasterGuard 650 1-1/4" Inlet X 1-1/2" Outlet LF	25765	1	\$5,380.00
MasterGuard 660 1-1/2" Inlet X 1-1/2" Outlet LF	25766	1	\$5,380.00
MasterGuard 670 1-1/2" Inlet X 2" Outlet LF	25767	1	\$6,150.00
MasterGuard 680 2" Inlet X 2" Outlet LF	25768	1	\$6,640.00
<b>MASTERGUARD 800 SERIES HIGH CAPACITY LEAD FREE (ASSE 1017 &amp; CSA B 125.3)</b>			
Masterguard 830 3/4" Inlet x 1" Outlet LF	24539	1	\$1,970.00

Masterguard 840 1" Inlet x 1-1/4" Outlet LF	24540	1	\$2,560.00
Masterguard 850 1-1/4" Inlet x 1-1/2" Outlet LF	24541	1	\$3,000.00
Masterguard 860 1-1/2" Inlet x 2" Outlet LF	24542	1	\$3,760.00
<b>SECTION 7-G: THERMOSTATIC MIXING VALVE ACCESSORIES</b>			
3/4" Tank Booster Pro Temperature Gauge	25376	1	\$45.00
1" Temperature Gauge (For HG110D, HG110HX, HG160)	24412	1	\$60.00
<b>SECTION 7-H: THERMOSTATIC MIXING REPAIR KITS</b>			
MasterGuard 830 Fitting Service Kit	MS256	1	\$78.00
MasterGuard 840 Fitting Service Kit	MS257	1	\$78.00
MasterGuard 850 Fitting Service Kit	MS258	1	\$104.00
MasterGuard 860 Fitting Service Kit	MS259	1	\$104.00
MasterGuard 830 Fitting Replacement Kit	MS260	1	\$385.00
MasterGuard 840 Fitting Replacement Kit	MS261	1	\$410.00
MasterGuard 850 Fitting Replacement Kit	MS262	1	\$690.00
MasterGaurd 860 Fitting Replacement Kit	MS263	1	\$690.00
MasterGuard 830 Temp Adjustment Kit	MS266	1	\$38.50
MasterGuard 840 Temp Adjustment Kit	MS267	1	\$38.50
MasterGuard 850 Temp Adjustment Kit	MS268	1	\$38.00
MasterGuard 860 Temp Adjustment Kit	MS269	1	\$38.00
MasterGuard 830/840 Head Works Replacement Kit	MS270	1	\$97.00
MasterGuard 850/860 Head Works Replacement Kit	MS271	1	\$164.00
<b>SECTION 8: CASH ACME RELIEF VALVES</b>			
<b>SECTION 8-A: T&amp;P RELIEF VALVES (For additional pressure settings contact customer service.)</b>			
<b>NCLX RESIDENTIAL TEMPERATURE &amp; PRESSURE RELIEF VALVES (Valves with extended inlets: NCLX-5L = 2-3/32", NCLX-LS = 2-5/8", NCLX-5LX = 2-1/3", NCLX-A = 3-1/3" Shank length measured from bottom of outlet. Element Lengths: 1 = 1", 5 = 4", 8 = 8". Element lengths are not exact measurements. Contact customer service for additional pressure sets. AGA &amp; ASME certified.)</b>			
1/2" NCLX-1	16483-0150	1	\$51.00
3/4" NCLX-1	16487-0150	1	\$45.00
1/2" NCLX-5, AGA only	15912-0150	1	\$39.50
3/4" NCLX-5	15836-0150	1	\$32.00
3/4" NCLX-5L	18821-0150	1	\$40.50
3/4" NCLX-5LX	19783-0150	1	\$46.50
3/4" NCLX-LS	19084-0150	1	\$54.00
3/4" NCLX-A	22348-0150	1	\$63.00
3/4" NCLX-8	16372-0150	1	\$63.00
3/4" NCLX-8 w/ Extended Shank	24971-0150	1	\$102.00
3/4" NCLX-5 for Water Heaters using PEX Tubing ASME, 180 F Element	22830-0100	1	\$45.00
3/4" NCLX-5LX for Water Heaters using PEX Tubing ASME, 180 F Element	22831-0100	1	\$63.00
3/4" NCLX-A for Water Heaters using PEX Tubing ASME, 180 F Element	22832-0100	1	\$90.00
<b>NCLX RESIDENTIAL TEMPERATURE &amp; PRESSURE RELIEF VALVES W/ SHARKBITE OUTLET CONNECTION</b>			
NCLX-5LX w/ SharkBite Outlet Connection	24609-0150	1	\$60.00
<b>LEAD FREE NCLX RESIDENTIAL TEMPERATURE &amp; PRESSURE RELIEF VALVES CLAM SHELL PACKAGED (Valves with extended inlets: NCLX-5L = 2-3/32", NCLX-LS = 2-5/8", NCLX-5LX = 2-1/3", NCLX-A = 3-1/3" Shank length measured from bottom of outlet. Element Lengths: 1 = 1", 5 = 4", 8 = 8". Element lengths are not exact measurements. Contact customer service for additional pressure sets. AGA &amp; ASME certified.)</b>			
3/4" NCLX-5	23576-0150	6	\$37.50
3/4" NCLX-LX	23577-0150	6	\$59.00
<b>LEAD FREE NCLX RESIDENTIAL TEMPERATURE &amp; PRESSURE RELIEF VALVES (Valves with extended inlets: NCLX-5L = 2-3/32", NCLX-LS = 2-5/8", NCLX-5LX = 2-1/3", NCLX-A = 3-1/3" Shank length measured from bottom of outlet. Element Lengths: 1 = 1", 5 = 4", 8 = 8". Element lengths are not exact measurements. Contact customer service for additional pressure sets. AGA &amp; ASME certified.)</b>			
1/2" NCLX-1 Lead Free	23277-0150	1	\$76.00
3/4" NCLX-1 Lead Free	23279-0150	1	\$67.00
1/2" NCLX-5 Lead Free, AGA only	23278-0150	1	\$59.00
3/4" NCLX-5 Lead Free	23261-0150	1	\$48.00
3/4" NCLX-5L Lead Free	23354-0150	1	\$63.00
3/4" NCLX-LS Lead Free	23268-0150	1	\$81.00
3/4" NCLX-5LX Lead Free	23266-0150	1	\$69.00
3/4" NCLX-8 Lead Free	23272-0150	1	\$96.00
<b>FVX &amp; FVMX COMMERCIAL TEMPERATURE AND PRESSURE RELIEF VALVES (High capacity, AGA &amp; ASME listed. Element Lengths: 3 = 3", 5 = 4", 8 = 8". Element lengths are not exact measurements)</b>			
3/4" FVX-3C Female Inlet	16930-0150	1	\$315.00
3/4" FVX-5C Female Inlet	16931-0150	1	\$355.00

3/4" FVX-8C Female Inlet	16932-0150	1	\$390.00
3/4" FVMX-3C Male Inlet	16933-0150	1	\$215.00
3/4" FVMX-5C Male Inlet	16934-0150	1	\$168.00
3/4" FVMX-5LS Male Inlet	20682-0150	1	\$192.00
3/4" FVMX-8C Male Inlet	16935-0150	1	\$355.00
3/4" FVMX-1LS Male Inlet, Long Shank	20113-0150	1	\$630.00
1" FVX-3C Female Inlet	16936-0150	1	\$465.00
1" FVX-5C Female Inlet	16937-0150	1	\$540.00
1" FVX-5L Female Inlet	15638-0150	1	\$670.00
1" FVX-8L Female Inlet	17354-0150	1	\$780.00
1" FVMX-3C Male Inlet	16938-0150	1	\$315.00
1" FVMX-5C Male Inlet	16939-0150	1	\$225.00
1" FVMX-4LS Male Inlet, Long Shank	22894-0150	1	\$800.00
1-1/4" X 1" FVMX-4L Male Inlet, Long Shank	15672-0150	1	\$780.00
1-1/2" FVX-4 Female Inlet, Long Shank	16221-0150	1	\$1,660.00
2" X 1-1/2" FVMX-3 Male Inlet	16225-0150	1	\$1,750.00
<b>LEAD FREE FVX &amp; FVMX COMMERCIAL TEMPERATURE AND PRESSURE RELIEF VALVES (High capacity, AGA &amp; ASME listed. Element Lengths: 3 = 3", 5 = 4", 8 = 8". Element lengths are not exact measurements)</b>			
3/4" FVX-3C Female Inlet Lead Free	23258-0150	1	\$475.00
3/4" FVX-5C Female Inlet Lead Free	23256-0150	1	\$520.00
3/4" FVX-8C Female Inlet Lead Free	23355-0150	1	\$580.00
3/4" FVMX-3C Male Inlet Lead Free	23274-0150	1	\$330.00
3/4" FVMX-5C Male Inlet Lead Free	23255-0150	1	\$255.00
3/4" FVMX-8C Male Inlet Lead Free	23275-0150	1	\$520.00
3/4" FVMX-1LS Male Inlet, Long Shank, Lead Free	23260-0150	1	\$960.00
1" FVX-3C Female Inlet Lead Free	23259-0150	1	\$690.00
1" FVX-5C Female Inlet Lead Free	23931-0150	1	\$810.00
1" FVX-5L Female Inlet Lead Free	23257-0150	1	\$1,020.00
1" FVX-8L Female Inlet Lead Free	23273-0150	1	\$1,190.00
1" FVMX-3C Male Inlet Lead Free	23253-0150	1	\$475.00
1" FVMX-5C Male Inlet Lead Free	23276-0150	1	\$255.00
1-1/4" X 1" FVMX-4L Male Inlet, Long Shank, Lead Free	23934-0150	1	\$1,190.00
1-1/2" FVX-4 Female Inlet, Long Shank, Lead Free	23935-0150	1	\$2,480.00
2" X 1-1/2" FVMX-3 Male Inlet Lead Free	23936-0150	1	\$2,620.00
<b>SECTION 8-B: PRESSURE ONLY RELIEF VALVES (For additional pressure settings contact customer service.)</b>			
<b>FWL-2 PRESSURE RELIEF VALVES (Pressure only)</b>			
1/2" FWL-2 Pressure only	14721-0150	1	\$33.00
3/4" FWL-2 Pressure only, AGA & ASME	14737-0150	1	\$30.00
<b>LEAD FREE FWL-2 PRESSURE RELIEF VALVES (Pressure only)</b>			
3/4" FWL-2 Pressure only, AGA & ASME Lead Free	23343-0150	1	\$45.00
<b>FWOL PRESSURE ONLY RELIEF VALVES WITHOUT LIFT LEVER (FWL-2 without Lift Lever)</b>			
3/4" Pressure only, Male Inlet / Female Outlet without Lift Lever	22834-0125	1	\$43.00
3/4" Pressure only, Male Inlet / Female Outlet without Lift Lever	22835-0100	1	\$43.00
3/4" Pressure only, Male Inlet / Female Outlet without Lift Lever	22836-0075	1	\$43.00
1/2" Pressure only, Male Inlet / Female Outlet without Lift Lever	22862-0125	1	\$35.00
1/2" Pressure only, Male Inlet / Female Outlet without Lift Lever	22863-0100	1	\$35.00
1/2" Pressure only, Male Inlet / Female Outlet without Lift Lever	22864-0075	1	\$35.00
<b>F-30, F-82 ASME PRESSURE RELIEF VALVES (Pressure only, for hot water, high capacity)</b>			
3/4" F-30 set at 30 psi	20166-0030	1	\$36.50
3/4" F-30 FIP X FIP set at 30 psi	22887-0030	1	\$36.50
3/4" F-82 Bronze body with lever set at 30 psi	13570-0030	1	\$136.00
3/4" F-82 Bronze body with lever set at 50 psi	13570-0050	1	\$136.00
3/4" F-82 Bronze body with lever set at 75 psi	13570-0075	1	\$136.00
3/4" F-82 Bronze body with lever set at 100 psi	13570-0100	1	\$136.00
3/4" F-82 Bronze body with lever set at 125 psi	13570-0125	1	\$136.00
3/4" F-82 Bronze body with lever set at 150 psi	13570-0150	1	\$136.00
1" F-82 Bronze body with lever set at 30 psi	15673-0030	1	\$162.00
1" F-82 Bronze body with lever set at 50 psi	15673-0050	1	\$162.00
1" F-82 Bronze body with lever set at 75 psi	15673-0075	1	\$162.00
1" F-82 Bronze body with lever set at 100 psi	15673-0100	1	\$162.00
1" F-82 Bronze body with lever set at 125 psi	15673-0125	1	\$162.00
1" F-82 Bronze body with lever set at 150 psi	15673-0150	1	\$162.00
1-1/4" F-82 Bronze body with lever set at 50 psi	16174-0050	1	\$570.00
1-1/4" F-82 Bronze body with lever set at 100 psi	16174-0100	1	\$570.00
1-1/4" F-82 Bronze body with lever set at 150 psi	16174-0150	1	\$570.00
1-1/2" F-82 Bronze body with lever set at 50 psi	16189-0050	1	\$730.00
1-1/2" F-82 Bronze body with lever set at 100 psi	16189-0100	1	\$730.00

1-1/2" F-82 Bronze body with lever set at 150 psi	16189-0150	1	\$730.00
2" F-82 Bronze body with lever set at 50 psi	16204-0050	1	\$990.00
2" F-82 Bronze body with lever set at 100 psi	16204-0100	1	\$990.00
2" F-82 Bronze body with lever set at 150 psi	16204-0150	1	\$990.00
<b>LEAD FREE F-30, F-82 ASME PRESSURE RELIEF VALVES (Pressure only, for hot water, high capacity)</b>			
3/4" F-30 set at 30 psi Lead Free	23344-0030	1	\$56.00
3/4" F-82 Bronze body with lever set at 30 psi Lead Free	23341-0030	1	\$205.00
3/4" F-82 Bronze body with lever set at 50 psi Lead Free	23341-0050	1	\$205.00
3/4" F-82 Bronze body with lever set at 75 psi Lead Free	23341-0075	1	\$205.00
3/4" F-82 Bronze body with lever set at 100 psi Lead Free	23341-0100	1	\$205.00
3/4" F-82 Bronze body with lever set at 125 psi Lead Free	23341-0125	1	\$205.00
3/4" F-82 Bronze body with lever set at 150 psi Lead Free	23341-0150	1	\$205.00
1" F-82 Bronze body with lever set at 30 psi Lead Free	23356-0030	1	\$245.00
1" F-82 Bronze body with lever set at 50 psi Lead Free	23356-0050	1	\$245.00
1" F-82 Bronze body with lever set at 75 psi Lead Free	23356-0075	1	\$245.00
1" F-82 Bronze body with lever set at 100 psi Lead Free	23356-0100	1	\$245.00
1" F-82 Bronze body with lever set at 125 psi Lead Free	23356-0125	1	\$245.00
1" F-82 Bronze body with lever set at 150 psi Lead Free	23356-0150	1	\$245.00
1-1/4" F-82 Bronze body with lever set at 50 psi Lead Free	23937-0050	1	\$870.00
1-1/4" F-82 Bronze body with lever set at 100 psi Lead Free	23937-0100	1	\$870.00
1-1/4" F-82 Bronze body with lever set at 150 psi Lead Free	23937-0150	1	\$870.00
1-1/2" F-82 Bronze body with lever set at 50 psi Lead Free	23938-0050	1	\$1,100.00
1-1/2" F-82 Bronze body with lever set at 100 psi Lead Free	23938-0100	1	\$1,100.00
1-1/2" F-82 Bronze body with lever set at 150 psi Lead Free	23938-0150	1	\$1,100.00
2" F-82 Bronze body with lever set at 50 psi Lead Free	23939-0050	1	\$1,510.00
2" F-82 Bronze body with lever set at 100 psi Lead Free	23939-0100	1	\$1,510.00
2" F-82 Bronze body with lever set at 150 psi Lead Free	23939-0150	1	\$1,510.00
<b>F-95 ASME PRESSURE RELIEF VALVES (Pressure only, for hot water, Iron body)</b>			
3/4" X 1" F-95 Iron body with lever set at 30 psi	19497-0030	1	\$118.00
3/4" X 1" F-95 Iron body with lever set at 50 psi	19497-0050	1	\$118.00
3/4" X 1" F-95 Iron body with lever set at 75 psi	19497-0075	1	\$118.00
1" X 1-1/4" F-95 Iron body with lever set at 30 psi	19499-0030	1	\$220.00
1" X 1-1/4" F-95 Iron body with lever set at 50 psi	19499-0050	1	\$220.00
1" X 1-1/4" F-95 Iron body with lever set at 75 psi	19499-0075	1	\$220.00
1-1/4" X 1-1/2" F-95 Iron body with lever set at 30 psi	19501-0030	1	\$590.00
1-1/4" X 1-1/2" F-95 Iron body with lever set at 50 psi	19501-0050	1	\$590.00
1-1/4" X 1-1/2" F-95 Iron body with lever set at 75 psi	19501-0075	1	\$590.00
1-1/2" X 2" F-95 Iron body with lever set at 30 psi	19503-0030	1	\$630.00
1-1/2" X 2" F-95 Iron body with lever set at 50 psi	19503-0050	1	\$630.00
1-1/2" X 2" F-95 Iron body with lever set at 75 psi	19503-0075	1	\$630.00
2" X 2-1/2" F-95 Iron body with lever set at 30 psi	19505-0030	1	\$1,170.00
2" X 2-1/2" F-95 Iron body with lever set at 50 psi	19505-0050	1	\$1,170.00
2" X 2-1/2" F-95 Iron body with lever set at 75 psi	19505-0075	1	\$1,170.00
<b>F &amp; FW SERIES RELIEF VALVES</b>			
1/2" F Pressure only, Male Inlet / Female Outlet (25-200 psi)	07420-0150	1	\$69.00
1/2" X 3/8" FP Pressure only, Male Inlet / 3/8" Female Outlet (25-200 psi)	07410-0150	1	\$56.00
1/2" FW Pressure only (15-200 psi)	09553-0125	1	\$86.00
3/4" FW Pressure only (15-200 psi)	09554-0125	1	\$86.00
<b>LEAD FREE FWC ADJUSTABLE PRESSURE RELIEF VALVES (25-175 psi, Calibrated stem)</b>			
1/2" Pressure only Lead Free	09563-0125LF	1	\$110.00
3/4" Pressure only Lead Free	09564-0125LF	1	\$110.00
<b>SECTION 8-C: VACUUM RELIEF VALVES</b>			
<b>LEAD FREE VR20 VACUUM RELIEF VALVES</b>			
1/2" Drilled vent, w/dust cover Lead Free	22397LF	1	\$33.00
3/4" Drilled vent, w/dust cover Lead Free	22398LF	1	\$33.00
<b>SECTION 9: CASH ACME BACKFLOW PREVENTION</b>			
<b>SECTION 9-A: CASH ACME VACUUM BREAKERS</b>			
<b>V-3 VACUUM BREAKERS HOSE BIBB TYPE</b>			
3/4" V-3 Vacuum Breaker, Hose Bibb type with Locking Screw	17148-0000	1	\$8.40
3/4" V-3C, Vacuum Breaker, Hose Bibb Type, Chrome Plated	17195-0000	1	\$15.50
<b>V-3 LEAD FREE VACUUM BREAKERS HOSE BIBB TYPE</b>			
3/4" V-3, Vacuum Breaker, Hose Bibb type with Locking Screw Lead Free	17148-0000LF	1	\$11.50
3/4" V-3C, Vacuum Breaker, Hose Bibb type, Chrome Plated Lead Free	17195-0000LF	1	\$19.00
<b>VB-222 VACUUM BREAKERS (Self Draining, Freeze Proof)</b>			
3/4" VB-222, Vacuum Breaker, Self Draining with Locking Screw	19600-0000	1	\$23.00
3/4" VB-222C, Chrome Plated Vacuum Breaker, Self Draining with Locking Screw	21896-0000	1	\$30.00
<b>VB-222 LEAD FREE VACUUM BREAKERS (Self Draining, Freeze Proof)</b>			
3/4" VB-222, Vacuum Breaker, Self Draining with Locking Screw Lead Free	19600-0000LF	1	\$27.00
3/4" VB-222C, Chrome Plated Vacuum Breaker, Self Draining with Locking Screw Lead Free	21896-0000LF	1	\$35.50

<b>V-101 NON-POTABLE ANTI-SIPHON VACUUM BREAKERS</b>			
1/2" V-101, Anti-Siphon, Brass, 212°F (100°C) max	17383-0000	1	\$32.50
3/4" V-101, Anti-siphon, Brass, 212°F (100°C) max	17384-0000	1	\$42.00
<b>V-101 LEAD FREE ANTI-SIPHON VACUUM BREAKERS</b>			
1/2" V-101, Anti-Siphon, Brass, 212°F (100°C) max Lead Free	17383-0000LF	1	\$39.50
3/4" V-101, Anti-siphon, Brass, 212°F (100°C) max Lead Free	17384-0000LF	1	\$50.00
1" V-101, Anti-Siphon, Brass, 212°F (100°C) max Lead Free	17385-0000LF	1	\$76.00
1/2" V-101C, Anti-Siphon, Chrome, 212°F (100°C) max Lead Free	17389-0000LF	1	\$65.00
3/4" V-101C, Anti-Siphon, Chrome, 212°F (100°C) max Lead Free	17390-0000LF	1	\$73.00
<b>SECTION 9-B: CASH ACME DUAL CHECK BACKFLOW PREVENTERS</b>			
<b>BF SERIES - LEAD FREE DUAL CHECK BACKFLOW PREVENTER</b>			
3/4" BF1, Dual Check, FNPT Union Inlet & FNPT Outlet	BF13434	1	\$76.00
3/4" BF1, Dual Check, SharkBite Inlet & Outlet	BF13434SB	1	\$84.00
1" BF1, Dual Check, FNPT Union Inlet & FNPT Outlet	BF10101	1	\$90.00
1" BF1, Dual Check, SharkBite Inlet & Outlet	BF10101SB	1	\$97.00
1" X 3/4" BF5, Dual Check, Meter Swivel Nut Inlet, FNPT Union Outlet	BF5M0134	1	\$84.00
1" X 3/4" BF5, Dual Check, Meter Swivel Nut Inlet, SharkBite Union Outlet	BF5M0134SB	1	\$92.00
1/4" X 1" BF5, Dual Check, Meter Swivel Nut Inlet, FNPT Union Outlet	BF5M1401	1	\$95.00
1-1/4" X 1" BF5, Dual Check, Meter Swivel Nut Inlet, SharkBite Union Outlet	BF5M1401SB	1	\$106.00
<b>BF SERIES - NON-POTABLE DUAL CHECK BACKFLOW PREVENTER</b>			
3/4" BF1, Dual Check, Threaded Union Inlet	17217-0000	1	\$67.00
1" BF1, Dual Check, Threaded Union Inlet	17218-0000	1	\$67.00
<b>BFP SERIES - LEAD FREE CONTINUOUS TYPE BACKFLOW PREVENTER WITH ATMOSPHERIC VENT</b>			
1/2" BFP, Continuous Type, Female Union Inlet & Outlet Lead Free	21574-0000LF	1	\$130.00
3/4" BFP, Continuous Type, Female Union Inlet & Outlet Lead Free	21575-0000LF	1	\$130.00
1/2" BFP, Continuous Type, Copper Sweat Union Inlet & Outlet Lead Free	22760-0000LF	1	\$172.00
3/4" Copper Sweat Union Inlet & Outlet Lead Free	22762-0000LF	1	\$172.00
<b>SECTION 10: CASH ACME GENERAL PLUMBING &amp; HEATING PRODUCTS</b>			
<b>SECTION 10-A: PLUMBING PRODUCTS</b>			
<b>Washing Machine Shut-off Valves</b>			
1/2" WM-1 Male Threaded (Non-Potable)	16962-0000	1	\$57.00
1/2" WM-2 Copper Sweat (Non-Potable)	17087-0000	1	\$57.00
<b>SECTION 10-B: HEATING PRODUCTS</b>			
<b>NON-POTABLE A SERIES BOILER FEED VALVES (AB-40 &amp; A-43 bronze body, A-89 iron body)</b>			
3/4" A-41 Boiler Feed Valves	23099-0012	1	\$87.00
1/2" AB-40 Combo Union, In-Built Bypass	12214-0014	1	\$174.00
1/2" A-89 NPT	25082-0014	1	\$87.00
1/2" A-89 Single Union Sweat	25083-0014	1	\$162.00
1/2" A-89 Single Union	25084-0014	1	\$128.00
1/2" A-89 Double Union	25085-0014	1	\$140.00
1/2" A-89 Direct SharkBite	25521Z	1	\$114.00
<b>NON-POTABLE BFAC</b>			
1/2" BFA Single Union Sweat Combination Backflow Preventer/PRV	23029-0014	1	\$265.00
<b>NON-POTABLE CQ, CR DUAL CONTROL FOR HOT WATER BOILERS (Economy Model)</b>			
1/2" CQ-M Bronze Body, Union Inlet (specify story)	07045-0002	1	\$390.00
1/2" CR Iron Body, Threaded, Rapid Fill	18394-0002	1	\$285.00
1/2" CRC Iron Body, Copper Sweat, Rapid Fill	18398-0002	1	\$245.00
<b>NON-POTABLE AIR SEPARATORS</b>			
1/2" Air Separator	24077	1	\$114.00
3/4" Air Separator	24078	1	\$144.00
1" Air Separator	24079	1	\$170.00
1-1/4" Air Separator	24080	1	\$210.00
1-1/2" Air Separator	24081	1	\$184.00
2" Air Separator	24082	1	\$325.00
<b>NON-POTABLE AP SERIES AIR PURGERS</b>			
1" Air Purger	24083	1	\$38.00
1-1/4" Air Purger	24084	1	\$38.00
1-1/2" Air Purger	24085	1	\$98.00
2" Air Purger	24086	1	\$124.00
2-1/2" Air Purger	24087	1	\$240.00
3" Air Purger	24088	1	\$275.00
4" Air Purger flanged	24089	1	\$720.00
<b>NON-POTABLE AP SERIES AIR VENTS</b>			
1/8" Air Vent, Brass	24090	1	\$13.00
1/4" Air Vent, Brass	24091	1	\$13.00
<b>MECHANICAL MIXING VALVES</b>			
Mechanical Mixing Valve 3/8" Compression Lead Free	25903	1	\$61.00
<b>TANKLESS WATER HEATER KIT</b>			



3/4" NPT Tankless Water Heater Kit (3/4" Hot Isolation Valve, 3/4" Cold Isolation Valve, 3/4" FWL-2 Pressure Only Relief Valve)	25760	1	235.00
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# SIGMA'S RAVEN HDPE PRODUCTS PRICING

## EFFECTIVE 9/20/2021

SIGMA PART NUMBER	DISCRIPTION	WEIGHT	LIST
<b>RECTANGULAR FLARED AND STRAIGHT WALL BOXES AND LIDS</b>			
RMB101512-FL-W	10x15x12 RECT. HDPE FLARED BOX - B/W	9.00	\$ 86.67
RMB101518-FL-W	10x15x18 RECT. HDPE FLARED BOX - B/W	13.00	\$ 105.47
RMB101524-FL-B	10x15x24 RECT. HDPE FLARED BOX - BLACK	25.00	\$ 145.60
RMB101524-FL-W	10x15x24 RECT. HDPE FLARED BOX - B/W	25.00	\$ 149.80
RMB101512-SW-W	10X15X12 HDPE MTR BOX - WHITE INTERIOR	9.00	\$ 96.13
RMB101512NSW-W	10X15X12 HDPE MTR BOX - WHITE INTERIOR NON STACKING	9.00	\$ 96.13
RMB101512NSWM-G	10X15X12 BOX - WHITE INT, GRAY EXT NON STACKING W/ MH	9.00	\$ 96.13
RMB101512NSWM-W	10X15X12 BOX, WHITE INT, BLACK EXT, NON STACKING W/ MH	9.00	\$ 96.13
RMB101512NSWX-G	10X15X12 BOX, WHITE INT, GRAY EXT NON STACKING	9.00	\$ 96.13
RMB101512NSWX-W	10X15X12 BOX. WHITE INT, BLACK EXT, NON STACKING	9.00	\$ 96.13
RMB91612NSW-W-G	9x16x12 MTR BOX WHITE INT GREY EXT <b>NON-STACKING</b>	9.00	\$ 70.00
RMB91612NSWM-B	9x16x12 MTR BOX W/MOUSE HOLES - BLACK NON-STACKING	9.00	\$ 70.00
RMB91612NSWM-G	9X16X12 MTR BOX W/ MOUSEHOLES - GRAY NON STACKING	9.00	\$ 70.00
RMB91612NSWM-W	9X16X12 MTR BOC W/ MOUSEHOLES -WHITE INT NON STACKING	9.00	\$ 70.00
RMB111812NSW-G	11x18x12 HDPE MTR BOX W/MOUSE HOLES - GREY <b>NON-STACKING</b>	10.00	\$ 84.00
RMB111812NSW-W	11x18x12 HDPE MTR BOX W/MOUSE HOLES - B/W <b>NON-STACKING</b>	10.00	\$ 84.00
RMB111812-SW-B	11x18x12 HDPE MTR BOX - BLACK	18.00	\$ 84.00
RMB111812-SW-GW	11x18x12 HDPE MTR BOX - GREY/WHITE	10.00	\$ 84.00
RMB111812-SWM-B	11x18x12 HDPE MTR BOX W/MOUSE HOLES - BLACK	14.00	\$ 84.00
RMB111812-SWM-W	11x18x12 HDPE MTR BOX W/MOUSE HOLES - B/W	10.50	\$ 84.00
RMB111812-SW-W	11x18x12 HDPE MTR BOX - B/W	10.50	\$ 84.00
RMB111818-SW-B	11x18x18 HDPE MTR BOX - BLACK	13.00	\$ 94.73
RMB111818-SWM-B	11x18x18 HDPE MTR BOX W/MOUSE HOLES - BLACK	13.00	\$ 94.73
RMB111818-SWM-W	11x18x18 HDPE MTR BOX W/MOUSE HOLES - B/W	13.00	\$ 94.73
RMB111818-SW-W	11x18x18 HDPE MTR BOX - B/W	14.50	\$ 94.73
RMB132412NSW-G	13x24x12 MTR BOX - GREY EXT <b>NON-STACKING</b>	20.00	\$ 100.80
RMB132412NSW-W	13X24X12 MTR BOX - WHITE INT BLK EXT NON-STACKING	20.00	\$ 100.80
RMB132412NSW-B	13X24X12 MTR BOX - BLK INT, EXT NON STACKING	20.00	\$ 100.80
RMB132412-SW-B	13x24x12 HDPE MTR BOX - BLACK	22.00	\$ 100.80
RMB132412-SW-GW	13x24x12 HDPE MTR BOX - GREY/WHITE	22.00	\$ 100.80
RMB132412-SWM-B	13x24x12 HDPE MTR BOX W/MOUSE HOLES - BLACK	18.50	\$ 100.80
RMB132412-SWM-W	13x24x12 HDPE MTR BOX W/MOUSE HOLES - B/W	18.50	\$ 100.80
RMB132412-SW-W	13x24x12 HDPE MTR BOX - B/W	22.00	\$ 100.80
RMB132418-SW-B	13x24x18 HDPE MTR BOX - BLACK	24.00	\$ 121.80
RMB132418-SWM-B	13x24x18 HDPE MTR BOX W/MOUSE HOLES - BLACK	14.00	\$ 121.80
RMB132418SWM-G	13X24X18 HDPE MTR BOX W/MOUSEHOLES- GRAY EXT, WHITE		\$ 121.80
RMB132418-SWM-W	13x24x18 HDPE MTR BOX W/MOUSE HOLES - B/W	14.00	\$ 121.80
RMB132418-SW-W	13x24x18 HDPE MTR BOX - B/W	16.00	\$ 121.80

RMB132418-SW-GW	13X24X18 HDPE MTR BOX GRAY EXT, WHITE INT	16.00	\$ 121.80
RMB132418-SW-P	13X24X18 HDPE MTR BOX - PURPLE	16.00	\$ 121.80
RMB141612-SW-W	14x16x12 HDPE MTR BOX - B/W	8.00	\$ 84.00
RMB141612NSW-W	14X16X12 HDPE MTR BOX B/W NON STACKING	8.00	\$ 84.00
RMB141618-SW-W	14x16x18 HDPE MTR BOX - B/W	10.00	\$ 88.67
RMB152712NSW-G	15x27x12 HDPE MTR BOX - GREY <b>NON-STACKING</b>	20.00	\$ 107.33
RMB152712NSW-W	15X27X12 MTR BOX BLACK EXT, WHITE INT NON STACKING	20.00	\$ 107.33
RMB152712-SW-B	15x27x12 HDPE MTR BOX - BLACK	25.50	\$ 107.33
RMB152712-SWM-B	15x27x12 HDPE MTR BOX W/MOUSE HOLES - BLACK	23.50	\$ 107.33
RMB152712-SWM-W	15x27x12 HDPE MTR BOX W/MOUSE HOLES - B/W	24.00	\$ 107.33
RMB152712-SW-W	15x27x12 HDPE MTR BOX - B/W	27.50	\$ 107.33
RMB152718-SW-B	15x27x18 HDPE MTR BOX - BLACK	19.00	\$ 125.07
RMB152718-SWM-B	15x27x18 HDPE MTR BOX W/MOUSE HOLES - BLACK	19.00	\$ 125.07
RMB152718-SWM-W	15x27x18 HDPE MTR BOX W/MOUSE HOLES - B/W	21.00	\$ 125.07
RMB152718-SW-W	15x27x18 HDPE MTR BOX - B/W	19.50	\$ 125.07
RMB152718-SW-P	15X27X18 HDPE MTR BOX - PURPLE EXT, WHITE INT	19.50	\$ 125.07
RMB171814NSW-W	17X18X14 HDPE METER BOX- B/W	18.00	\$ 113.33
RMB173012NSW-G	17x30x12 HDPE MTR BOX - GREY <b>NON-STACKING</b>	23.00	\$ 144.67
RMB173012NSWM-G	17x30x12 HDPE MTR BOX W/MOUSE HOLES - GREY <b>NON-STACKING</b>	17.00	\$ 144.67
RMB173012-SW-B	17x30x12 HDPE MTR BOX - BLACK	29.00	\$ 144.67
RMB173012-SWM-B	17x30x12 HDPE MTR BOX W/MOUSE HOLES - BLACK	29.00	\$ 144.67
RMB173012-SWM-W	17x30x12 HDPE MTR BOX W/MOUSE HOLES - B/W	29.00	\$ 144.67
RMB173012-SW-W	17x30x12 HDPE MTR BOX - B/W	29.00	\$ 144.67
RMB173012NSW-W	17X30X12 HDPE MTR BOX - WHITE INT, BLACK EXT NON STACKING	29.00	\$ 144.67
RMB173012NSWM-W	17X30X12 MTR BOX, W INT, BLK EXT W/MOUSEHOLES NON STACKING	29.00	\$ 144.67
RMB173018-FL-W	17X30X18 HDPE MTR BOX - FLARED BLACK		\$ 233.33
RMB173018-SW-B	17x30x18 HDPE MTR BOX - BLACK	31.00	\$ 177.33
RMB173018-SWM-B	17x30x18 HDPE MTR BOX W/MOUSE HOLES - BLACK	31.00	\$ 177.33
RMB173018-SWM-W	17x30x18 HDPE MTR BOX W/MOUSE HOLES - B/W	31.00	\$ 177.33
RMB173018SWM-G	17X30X18 HDPE MTR BOX - GRAY EXT, WHITE INT	31.00	\$ 177.33
RMB173018-SW-W	17x30x18 HDPE MTR BOX - B/W	31.00	\$ 177.33

<b>RECTANGULAR BOX LIDS</b>			
RMB1015-L	10x15 HDPE LID SOLID BLACK	3.00	\$ 67.88
RMB1015-L-R	10x15 HDPE LID W/READER BLACK	3.00	\$ 67.88
RMB1118-L	11x18 HDPE LID SOLID BLACK	3.50	\$ 76.36
RMB1118-L-R	11x18 HDPE LID W/READER BLACK	3.50	\$ 102.88
RMB1118-L-RT	11x18 HDPE LID W/READER & TR HOLE BLACK	3.50	\$ 102.88
RMB1324-L	13x24 HDPE LID SOLID BLACK	7.00	\$ 98.64
RMB1324-L-G	13X24 HDPE LID SOLID GRAY	7.00	\$ 98.64
RMB1324-L-R	13x24 HDPE LID W/READER -BLACK	5.50	\$ 102.88
RMB1324-L-R-G	13X24 HDPE LID W/READER - GRAY	5.50	\$ 102.88
RMB1324-L-R-P	13X24 HDPE LID W/ READER - PURPLE	5.50	\$ 102.88
RMB1324-L-RT	13x24 HDPE LID W/RDR+TR HOLE BLACK	5.50	\$ 102.88
RMB1416-L	14X16 HDPE LID SOLID BLACK	6.00	\$ 63.64
RMB1416-L-R	14x16 HDPE LID W/READER BLACK	6.00	\$ 63.64
RMB1527-L	15x27 HDPE LID SOLID BLACK	7.50	\$ 110.30
RMB1527-L-R	15x27 HDPE LID W/ READER BLACK	7.50	\$ 111.36
RMB1527-L-R-P	15X27 HDPE LID W/ READER - PURPLE	7.50	\$ 111.36
RMB1527-L-RT	15X27 HDPE LID W/ READER + TR HOLE BLACK	7.50	\$ 111.36
RMB1730-L	17x30 HDPE LID SOLID BLACK	11.00	\$ 151.67
RMB1730-L-R	17x30 HDPE LID W/ READER BLACK	10.00	\$ 155.91
RMB1730-L-G	17X30 HDPE LID SOLID GRAY	11.00	\$ 155.91
RMB1730-L-R-G	17X30 HDPE LID W/ READER GRAY	11.00	\$ 155.91
RMB1730-L-R-P	17x30 HDPE LID W/READER - PURPLE	10.00	\$ 155.91
RMB1730-L-RT	17x30 HDPE LID W/READER +TR HOLE BLACK	10.00	\$ 155.91
<b>DUCTILE IRON RECTANGULAR TRAFFIC LIDS</b>			
<b>NOTE: PLEASE APPLY YOUR MUNICIPAL CASTINGS MULTIPLIER TO THESE ITEMS AS THEY ARE LISTED HERE FOR CONVENIENCE</b>			
LC1015-D	10X15 DI H20 SOLID Lid Only - WATER	15.00	\$ 58.33
LC1015R-D	11x18 DI H20 Lid Only W/RDR - WATER	15.00	\$ 58.33
LC1118-D	11x18 DI H20 SOLID Lid Only - WATER	25.00	\$ 88.67
LC1118S-D	11x18 DI H20 SOLID Lid Only - SEWER	25.00	\$ 88.67
LC1118R-D	11x18 DI H20 Lid Only w/ RDR - WATER	25.00	\$ 88.67
LC1118T-D	11x18 DI H20 Lid Only w/ RDR+TR - WATER	25.00	\$ 88.67
LC1324-D	13x24 DI H20 SOLID Lid Only - WATER	35.00	\$ 112.00
LC1324S-D	13x24 DI H20 SOLID Lid Only - SEWER	35.00	\$ 112.00
LC1324R-D	13x24 DI H20 Lid Only w/ RDR - WATER	35.00	\$ 112.00
LC1324T-D	13x24 DI H20 Lid Only w/ RDR+TR - WATER	35.00	\$ 112.00
LC1416-D	14X16 DI H20 SOLID Lid Only - WATER	25.00	\$ 91.67
LC1416RK-D	14X16 DI H20 SOLID Lid Only - WATER	25.00	\$ 91.67
LC1527-D	15x27 DI H20 SOLID Lid Only - WATER	48.00	\$ 130.67
LC1527S-D	15x27 DI H20 SOLID Lid Only - SEWER	48.00	\$ 130.67
LC1527R-D	15x27 DI H20 Lid Only w/ RDR - WATER	48.00	\$ 130.67
LC1527T-D	15x27 DI H20 Lid Only w/ RDR+TR - WATER	48.00	\$ 130.67
LC1730-D	17x30 DI H20 SOLID Lid Only - WATER	60.00	\$ 191.33
LC1730S-D	17x30 DI H20 SOLID Lid Only - SEWER	60.00	\$ 191.33
LC1730R-D	17x30 DI H20 Lid Only w/ RDR - WATER	60.00	\$ 191.33

LC1730T-D	17x30 DI H20 Lid w/ RDR+TR - WATER	60.00	\$ 191.33
LC1730T2-D	17x30 DI H20 Lid w/ RDR+2 TR - WATER	60.00	\$ 191.33
<b>RECTANGULAR BOX EXTENSIONS</b>			
RMB1118-EXT12	11X18X12 RECTANGULAR BOX EXTENSION	13.00	\$ 84.00
RMB1324-EXT6-W	13X24X6 RECTANGULAR BOX EXTENSION - B/W	31.00	\$ 100.80
RMB1324-EXT12-W	13X24X12 RECTANGULAR BOX EXTENSION - B/W	15.00	\$ 100.80
RMB1527-EXT6-W	15X27X6 RECTANGULAR BOX EXTENSION - B/W	12.00	\$ 113.33
RMB1527-EXT12-W	15X27X12 RECTANGULAR BOX EXTENSION - B/W	16.00	\$ 107.33
RMB-1730-EXT6-W	17X30X6 RECTANGULAR BOX EXTENSION - B/W	10.00	\$ 144.67
RMB1730-EXT12-W	17X30X12 RECTANGULAR BOX EXTENSION - B/W	26.00	\$ 144.67
RMB-2020-CP-E12	20x20x12 FULL BARREL EXTENSION	18.00	\$ 86.67
RMB-2020-DC-E12	RAVEN METER BOX 20x20x12 DOUBL	18.00	\$ 76.67
<b>RECTANGULAR H20 RATED PE LIDS</b>			
N1015BLKWAT	10X15 LID SOLID BLACK-WATER	6.8	\$ 56.00
N1015BLKWAT-R	10X15 LID BLACK W/RDR - WATER	8.0	\$ 96.32
N1015BLKWAT-TS	10X15 LID BLACK-WATER - SENSUS RECESS	6.8	\$ 56.00
N1015BLKWAT-TB	10X15 LID BLACK-WATER - BADGER RECESS	6.8	\$ 56.00
N1015BLKWAT-TN	10X15 LID BLACK-WATER - NEPTUNE RECESS	6.8	\$ 56.00
N1015GRYWAT	10X15 LID SOLID GRAY - WATER	6.8	\$ 62.50
N1015BLUWAT	10X15 LID SOLID BLUE - WATER	6.8	\$ 60.03
N1118BLKWAT	11X18 LID SOLID BLACK - WATER	8.7	\$ 76.61
N1118BLKWAT-R	11X18 LID BLACK W/RDR - WATER	10.0	\$ 116.93
N1118BLKWAT-RT	11X18 LID BLACK W/RDR & TR - WATER	10.0	\$ 116.93
N1118BLKWAT-TS	11x18 LID BLACK-WATER - SENSUS RECESS	8.7	\$ 76.61
N1118BLKWAT-TB	11x18 LID BLACK-WATER - BADGER RECESS	8.7	\$ 76.61
N1118BLKWAT-TN	11x18 LID BLACK-WATER - NEPTUNE RECESS	8.7	\$ 76.61
N1118GRYWAT	11X18 LID SOLID GRAY - WATER	8.7	\$ 83.10
N1118BLUWAT	11X18 LID SOLID BLUE - WATER	8.7	\$ 80.64
N1118GRNSEW	11X18 LID SOLID GREEN - SEWER	8.7	\$ 81.09
N1324BLKWAT	13X24 LID SOLID BLACK - WATER	17.8	\$ 125.44
N1324BLKWAT-R	13X24 LID BLACK W/RDR - WATER	19.0	\$ 165.76
N1324BLKWAT-RT	13X24 LID BLACK W/RDR & TR - WATER	19.0	\$ 165.76
N1324BLKWAT-TS	13x24 LID BLACK-WATER - SENSUS RECESS	17.8	\$ 125.44
N1324BLKWAT-TB	13x24 LID BLACK-WATER - BADGER RECESS	17.8	\$ 125.44
N1324BLKWAT-TN	13x24 LID BLACK-WATER - NEPTUNE RECESS	17.8	\$ 125.44
N1324GRYWAT	13X24 LID SOLID GRAY - WATER	17.8	\$ 131.94
N1324GRNSEW	13X24 LID SOLID GREEN - SEWER	17.8	\$ 129.92
N1416BLKWAT	14X16 LID SOLID BLACK - WATER	12.0	\$ 103.71
N1416BLKWAT-TS	14x16 LID BLACK-WATER - SENSUS RECESS	12.0	\$ 103.71
N1416BLKWAT-TB	14x16 LID BLACK-WATER - BADGER RECESS	12.0	\$ 103.71
N1416BLKWAT-TN	14x16 LID BLACK-WATER - NEPTUNE RECESS	12.0	\$ 103.71
N1718BLKWAT	17x18 LID SOLID BLACK - WATER	18.0	\$ 138.13
N1718BLKWAT-TS	17x18 LID-WATER - SENSUS RECESS	18.0	\$ 138.13
N1718BLKWAT-TB	17x18 LID-WATER - BADGER RECESS	18.0	\$ 138.13
N1718BLKWAT-TN	17x18 LID-WATER - NEPTUNE RECESS	18.0	\$ 138.13
N1527BLKWAT	15X27 LID SOLID BLACK - WATER	20.3	\$ 176.74
N1527BLKWAT-R	15X27 LID SOLID BLACK - W/RDR - WATER	25.0	\$ 217.06

N1527BLKWAT-RT	15X27 LID BLACK W/RDR - W/RDR & TR - WATER	25.0	\$ 217.06
N1527BLKWAT-TS	15x27 LID BLACK-WATER - SENSUS RECESS	20.3	\$ 176.74
N1527BLKWAT-TB	15x27 LID BLACK-WATER - BADGER RECESS	20.3	\$ 176.74
N1527BLKWAT-TN	15x27 LID BLACK-WATER - NEPTUNE RECESS	20.3	\$ 176.74
N1527GRYWAT	15X27 LID SOLID GRAY - WATER	20.3	\$ 223.55
N1527GRNSEW	15X27 LID SOLID GREEN - SEWER	20.3	\$ 178.98
N1730BLKWAT	17X30 LID SOLID BLACK - WATER	32.5	\$ 204.29
N1730BLKWAT-R	17X30 LID SOLID BLACK - W/RDR - WATER	35.0	\$ 244.61
N1730BLKWAT-RT	17X30 LID BLACK W/RDR - W/RDR & TR - WATER	35.0	\$ 244.61
N1730BLKWAT-R2T	17X30 LID BLACK W/RDR - W/RDR & 2 TR - WATER	35.0	\$ 244.61
N1730BLKWAT-TS	17x30 LID BLACK-WATER - SENSUS RECESS	32.5	\$ 204.29
N1730BLKWAT-TB	17x30 LID BLACK-WATER - BADGER RECESS	32.5	\$ 204.29
N1730BLKWAT-TN	17x30 LID BLACK-WATER - NEPTUNE RECESS	32.5	\$ 204.29
N1730GRNSWR	17X30 LID SOLID GREEN - SEWER	32.5	\$ 208.77
<b>OIL WATER SEPERATORS</b>			
RMO415-CB	4"-15" OUTLET - USED IN CATCH BASINS - LOW PROFILE		
	WITH THREADED PLUGS	15	\$ 280.00
RMO415-MH	4"-15" OUTLET - USED IN 48" MANHOLES LOW PROFILE		
	WTH THREADED PLUGS	15	\$ 280.00
RMO415	4"-15" OUTLET - NO THREADED PLUG	15	\$ 233.33
RMO1220-48	12"-21" OUTLET USED IN 48" MANHOLES		\$ 583.33
RMO418-30	4"-18" OUTLET FOR 30" MANHOLES		\$ 728.00
RMO1833-MH-TP	18"-33" OUTLET PIPE FOR 48" MANHOLES WITH THREADED PLUG		\$ 728.00
RMO2048-MH-TP	30"-48" OUTLET - WITH THREADED PLUG		\$ 1,008.00



## Raven HDPE Products

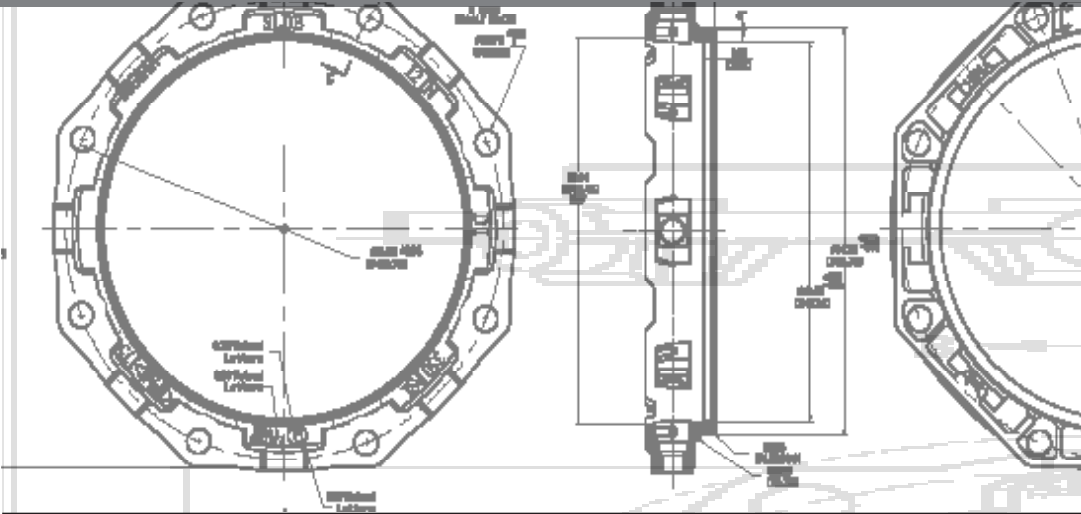
Quality – Service – Commitment – Delivered.

# SIGMA-RAVEN ENCLOSURE PRODUCTS PRICING: HDPE LID ADDENDUM EFFECTIVE 5/14/22

### RECTANGULAR HEAVY DUTY PE LIDS

PART NUMBER	DESCRIPTION	WEIGHT	LIST PRICE
N1015BLKWAT	10X15 LID SOLID BLACK-WATER	6.8	\$60.35
N1015BLKWAT-R	10X15 LID BLACK W/RDR - WATER	8.0	\$103.68
N1118BLKWAT	11X18 LID SOLID BLACK - WATER	8.7	\$82.20
N1118BLKWAT-R	11X18 LID BLACK W/RDR - WATER	10.0	\$128.45
N1118BLKWAT-RT	11X18 LID BLACK W/RDR & TR - WATER	10.0	\$128.45
N1118BLKSEW	11X18 LID SOLID BLACK- SEWER	8.7	\$82.20
N1324BLKWAT	13X24 LID SOLID BLACK - WATER	17.8	\$129.73
N1324BLKWAT-R	13X24 LID BLACK W/RDR - WATER	18.0	\$178.28
N1324BLKWAT-RT	13X24 LID BLACK W/RDR & TR - WATER	18.0	\$178.28
N1324BLKSEW	13X24 LID SOLID BLACK - SEWER	17.8	\$129.73
N1416BLKWAT	14X16 LID SOLID BLACK - WATER	12.0	\$112.24
N1416BLKWAT-R	14X16 LID BLACK W/RDR - WATER	12.0	\$158.45
N1718BLKWAT	17x18 LID BLACK - WATER	18.0	\$129.73
N1718BLKWAT-R	17x18 LID BLACK W/RDR - WATER	18.0	\$171.98
N1527BLKWAT	15X27 LID SOLID BLACK - WATER	20.3	\$193.80
N1527BLKWAT-R	15X27 LID SOLID BLACK - W/RDR - WATER	25.0	\$231.78
N1527BLKWAT-RT	15X27 LID BLACK W/RDR - W/RDR & TR - WATER	25.0	\$231.78
N1527BLKSEW	15X27 LID SOLID BLACK - SEWER	20.3	\$193.80
N1730BLKWAT	17X30 LID SOLID BLACK - WATER	32.5	\$224.68
N1730BLKWAT-R	17X30 LID SOLID BLACK - W/RDR - WATER	32.5	\$261.15
N1730BLKWAT-RT	17X30 LID BLACK W/RDR - W/RDR & TR - WATER	32.5	\$261.15
N1730BLKWAT-R2T	17X30 LID BLACK W/RDR - W/RDR & 2 TR - WATER	32.5	\$279.55
N1730BLKSWR	17X30 LID SOLID BLACK - SEWER	32.5	\$224.68
NO1019BLKWAT	10x19 OVAL LID BLACK - WATER	5.0	\$62.46
<b>NOTE: PLEASE SPECIFY METER/TRANSMITTER WHEN ORDERING AMR LIDS</b>			
<b>CONTACT SIGMA FOR CUSTOM LOGOED LIDS</b>			
<b>ADD THE BELOW AMOUNT TO LIST PRICE FOR COLORS OTHER THAN BLACK:</b>			
<b>BLUE \$8.00</b>			
<b>GREEN \$8.00</b>			
<b>PURPLE \$8.00</b>			
<b>GRAY \$8.00</b>			

# Pipe Restraint Products Price List



**Effective January 17, 2022-1**

- **IMPORTS**







# **PIPE RESTRAINT PRODUCTS IMPORT PRICE LIST**

Effective January 17, 2022-1

# TERMS, CONDITIONS AND GUIDELINES OF SALES

1. All orders are subject to approval and acceptance by SIGMA Corp.
2. **PRICES:** Prices are subject to change without notice.
3. **SHORTAGES:** All sales are F.O.B. Shipping Point. Any damage or shortage must be noted on the delivery bill of lading or our packing list and acknowledged by the delivering carrier's agent. All claims for damage or shortage must be made in writing within 7 (seven) days of receipt of material.
4. **DELIVERY OF MATERIAL:** SIGMA will make every effort to make delivery within time specified. Any delay in meeting shipping schedules will not make SIGMA liable for damages of any kind, liquidated or unliquidated, including damages for loss of use.
5. **WARRANTY:** SIGMA gives warranty for material furnished under its trade names "SIGMA/NAPPCO" against any defects in material or workmanship subject to normal use, for a period of one year after date of shipment. SIGMA will replace the defective product at the delivery point or, at its option, repay price paid for the product plus any transportation charges paid by Buyer in addition to such price. SIGMA is not responsible for consequential or incidental damages for loss of use, or any other damages whatsoever, in connection with the warranties set forth above or implied by law, or any purported negligence of SIGMA.

No terms or conditions, other than those stated above, and no agreement or understanding, oral or written, in any way purporting to modify these terms or conditions, whether contained in Buyer's purchase orders or shipping release forms, or elsewhere, shall be binding on SIGMA unless hereafter made in writing and signed by SIGMA'S authorized representative.
6. All sales, use, excise, state, local or similar taxes are the responsibility of the Buyer. In the event SIGMA must pay or collect such taxes, the Buyer agrees to promptly reimburse the same to SIGMA.
7. **TERMS:** All invoices are payable in net 30 days, unless other terms are explicitly mentioned in the invoices. A service charge may be added to all past due accounts.
8. Buyer may not return or cancel any part or all of the order without prior written authorization. There will be a minimum restocking charge of 25% for goods accepted for return.
9. Buyer will furnish and pay for necessary labor to unload and store material.
10. Please use Sigma's item numbering system in all your orders or inquiries to facilitate faster and easier processing.
11. Please try to order in Sigma's standard crate quantities, whenever possible, to facilitate quicker processing of your orders.
12. Sigma is constantly adding newer sizes and items to its on-hand inventory available for immediate delivery. Please check with us for the update in availability when you put your list together – the items you are looking for may already be here!
13. **FREIGHT TERMS:** The minimum order for freight allowed is 5,000 lbs. of fittings, with or without accessories. (Manhole covers and valve boxes are not covered by these minimum freight allowed terms.)



# PIPE RESTRAINT PRODUCTS PRICE LIST

PRP  
Effective 01-17-2022-1

## ONE-LOK™ Wedge Action Restraints for Ductile Iron Pipe

### ONE-LOK SERIES SLDE

Wedge-Action Gland for Restraining Ductile Iron  
Pipe to Mechanical Joint Fittings.

Nominal Pipe Size (in.)	Item No	Item No	Weight (lbs.)	List Price	E-Coat List Price
	Shop Coated	E-Coat			
3	SLDE3	SLDE-X3	6.5	\$59.55	\$61.93
4	SLDE4	SLDE-X4	10	\$63.10	\$65.63
6	SLDE6	SLDE-X6	12	\$74.21	\$77.17
8	SLDE8	SLDE-X8	15.5	\$111.52	\$115.98
10	SLDE10	SLDE-X10	26	\$165.29	\$171.90
12	SLDE12	SLDE-X12	34	\$240.82	\$250.46
14	SLDE14	SLDE-X14	45	\$319.66	\$332.45
16	SLDE16	SLDE-X16	59	\$456.21	\$474.46
18	SLDE18	SLDE-X18	60	\$646.23	\$672.08
20	SLDE20	SLDE-X20	75	\$802.59	\$834.69
24	SLDE24	SLDE-X24	140	\$1,114.40	\$1,158.97
30	SLDE30	SLDE-X30	226	\$2,813.76	\$2,926.32
36	SLDE36	SLDE-X36	307	\$3,586.33	\$3,729.79
42	SLDE42	SLDE-X42	432	\$5,446.14	\$5,663.98
48	SLDE48	SLDE-X48	568	\$6,960.45	\$7,238.87
54	SLDE54	SLDE-X54	1095.3	POA	POA
60	SLDE60	SLDE-X60	1233.5	POA	POA
64	SLDE64	SLDE-X64	1388.50	POA	POA

\*SLDE Restraints were previously referred to as SLD

\*\*Electrodeposition Coatings available on request, contact  
SIGMA for details.

### ONE-LOK SERIES T-SLDEP

Tandem Wedge-Action Glands for Restraining Ductile Iron Pipe  
to Mechanical Joint Fittings with Hardware

Nominal Pipe Size (in.)	Item No	Approx Weight (lbs.)	List Price
	Ductile		
4	T-SLDEP4	13	Please Call
6	T-SLDEP6	20	Please Call
8	T-SLDEP8	29	Please Call
10	T-SLDEP10	46	Please Call
12	T-SLDEP12	58	Please Call
14	T-SLDEP14	79	Please Call
16	T-SLDEP16	99	Please Call
18	T-SLDEP18	121	Please Call
20	T-SLDEP20	138	Please Call
24	T-SLDEP24	207	Please Call
30	T-SLDEP30	317	Please Call
36	T-SLDEP36	469	Please Call
42	T-SLDEP42	688	Please Call
48	T-SLDEP48	912	Please Call



# PIPE RESTRAINT PRODUCTS

## PRICE LIST

### ONE-LOK™ Wedge Action Restraints for Ductile Iron Pipe

#### ONE-LOK SERIES SLDEP

Complete Wedge-action Gland Restrainer  
Accessory Kit (includes MJ gasket with T-Bolts & Nuts) for restraining Ductile Iron Pipe to Mechanical Joint Fittings.

Nominal Pipe Size (in.)	Item No	Item No	Weight (lbs.)	List Price	E-Coat List Price	Item No	Item No	List Price Teflon Accessories	List Price E-Coat with Teflon Accessories
	Shop Coated	E-Coat				With Teflon Accessories	E-Coat with Teflon Accessories		
3	SLDEP3	SLDE-XP3	8.5	\$91.20	\$94.85	SLDEP3TT	SLDE-XP3TT	\$103.27	\$103.27
4	SLDEP4	SLDE-XP4	14	\$99.28	\$103.25	SLDEP4TT	SLDE-XP4TT	\$128.30	\$128.30
6	SLDEP6	SLDE-XP6	17	\$122.63	\$127.54	SLDEP6TT	SLDE-XP6TT	\$186.20	\$186.20
8	SLDEP8	SLDE-XP8	21.5	\$167.10	\$173.78	SLDEP8TT	SLDE-XP8TT	\$237.44	\$237.44
10	SLDEP10	SLDE-XP10	34	\$237.63	\$247.14	SLDEP10TT	SLDE-XP10TT	\$364.84	\$364.84
12	SLDEP12	SLDE-XP12	42	\$319.38	\$332.15	SLDEP12TT	SLDE-XP12TT	\$425.60	\$425.60
14	SLDEP14	SLDE-XP14	55	\$424.80	\$441.80	SLDEP14TT	SLDE-XP14TT	\$694.63	\$694.63
16	SLDEP16	SLDE-XP16	71	\$573.09	\$596.01	SLDEP16TT	SLDE-XP16TT	\$817.88	\$817.88
18	SLDEP18	SLDE-XP18	72	\$775.00	\$805.99	SLDEP18TT	SLDE-XP18TT	\$1,006.88	\$1,006.88
20	SLDEP20	SLDE-XP20	89	\$945.66	\$983.49	SLDEP20TT	SLDE-XP20TT	\$1,171.58	\$1,171.58
24	SLDEP24	SLDE-XP24	156	\$1,281.40	\$1,332.66	SLDEP24TT	SLDE-XP24TT	\$1,601.72	\$1,601.72
30	SLDEP30	SLDE-XP30	273	\$2,844.92	\$2,958.72	SLDEP30TT	SLDE-XP30TT	\$3,645.88	\$3,645.88
36	SLDEP36	SLDE-XP36	363	\$3,625.53	\$3,770.56	SLDEP36TT	SLDE-XP36TT	\$4,905.32	\$4,905.32
42	SLDEP42	SLDE-XP42	548	\$5,505.67	\$5,725.90	SLDEP42TT	SLDE-XP42TT	\$8,208.48	\$8,208.48
48	SLDEP48	SLDE-XP48	701	\$7,036.54	\$7,318.00	SLDEP48TT	SLDE-XP48TT	\$10,338.00	\$10,338.00
54	SLDEP54	SLDE-XP54	1253.7	See SLDE-XP54	POA	SLDEP54TT	SLDE-XP54TT	See SLDE-XP54TT	POA
60	SLDEP60	SLDE-XP60	1346.7	See SLDE-XP60	POA	SLDEP60TT	SLDE-XP60TT	See SLDE-XP60TT	POA
64	SLDEP64	SLDE-XP64	1479.3	See SLDE-XP64	POA	SLDEP64TT	SLDE-XP64TT	See SLDE-XP64TT	POA

#### NOTE REGARDING ONE-LOK Accessory Kits:

- 3"-16" are packaged in a shrink wrapped carton
- 18" -48" are bulk packaged
- 30" - 48" include a SIGMA-SEAL gasket



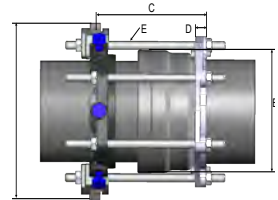
# PIPE RESTRAINT PRODUCTS

## PRICE LIST

### ONE-LOK™ Wedge Action Restraints for Ductile Iron Pipe (cont.)

#### ONE-LOK SERIES SLDEH/SSLDH

Wedge-Action Gland and Mechanical Joint Gland Ring For  
Harness Restraint of Push-on Ductile Iron Pipe Bell Joints.  
(Split Restraint for existing installations)



Nominal Pipe Size (in.)	Standard SLDEH Restraint			Split SSLDH Restraint			No. of Rods	Rod Length (in.)	Rod Diameter (in.)	Max. Bell Diameter (in.)**
	Item No.	List Price	Wt (lbs)	Item No.	List Price	Wt (lbs)				
3	SLDEH3	\$123.92	12	-	-	-	4	17	5/8	5.4
4	SLDEH4	\$126.26	18	SSLDH4	\$392.53	15	4	17	3/4	6.6
6	SLDEH6	\$186.94	25	SSLDH6	\$560.06	23	6	17	3/4	8.6
8	SLDEH8	\$243.50	34	SSLDH8	\$667.81	32	6	17	3/4	10.9
10	SLDEH10	\$426.71	51	SSLDH10	\$1,088.82	49	8	24	3/4	13.1
12	SLDEH12	\$533.96	65	SSLDH12	\$1,306.66	55	8	24	3/4	15.4
14	SLDEH14	\$1,073.15	87	SSLDH14	\$1,871.48	95	10	24	3/4	17.9
16	SLDEH16	\$1,197.01	111	SSLDH16	\$2,197.06	100	12	24	3/4	20.1
18	SLDEH18	\$1,319.96	119	SSLDH18	\$2,709.67	120	12	24	3/4	22.4
20	SLDEH20	\$1,871.48	144	SSLDH20	\$3,360.39	135	14	24	3/4	24.6
24	SLDEH24	\$2,423.95	227	SSLDH24	\$4,238.47	175	16	24	3/4	29.1
30	SLDEH30	\$4,601.07	399	SSLDH30	\$6,341.08	399	20	24	1	35.8
36	SLDEH36	\$6,729.32	508	SSLDH36	\$8,960.57	508	24	24	1	42.6
42	SLDEH42	\$13,961.28	765	-	-	-	38	24	1-1/4	49.2
48	SLDEH48	\$18,180.75	1,051	-	-	-	32	24	1-1/4	56.1

\*SLDEH Restraints were previously referred to a SLDH.

\*\*NOTE: Restraining rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than listed "MAX" Bell Dimension. Gauged pipe is recommended for sizes 14" and larger.

#### ONE-LOK SERIES SLDM

For use on Oversized Iron Pipes

Nominal Pipe Size (in.)	Item No.	Approx Weight (lbs.)	List Price
4	SLDM4	20	\$125.00
6	SLDM6	12	\$138.37
8	SLDM8	15	\$192.35
10	SLDM10	26	\$238.94
12	SLDM12	34	\$320.12
16	SLDM16	52	\$595.02
20	SLDM20	75	\$957.88



#### ONE-LOK SERIES SSLDP

Split MJ Restraint for D.I. Pipe existing installations

Nominal Pipe Size (in.)	Item No.	Approx Weight (lbs.)	List Price
4	SSLDP4	19	\$211.40
6	SSLDP6	25	\$298.43
8	SSLDP8	32	\$367.45
10	SSLDP10	40	\$458.76
12	SSLDP12	45	\$569.82
14	SSLDP14	62	\$1,246.90
16	SSLDP16	97	\$1,396.13
18	SSLDP18	100	\$1,715.07
20	SSLDP20	110	\$2,136.14
24	SSLDP24	163	\$3,530.85
30	SSLDP30	293	\$5,401.21
36	SSLDP36	429	\$7,105.55

# PIPE RESTRAINT PRODUCTS

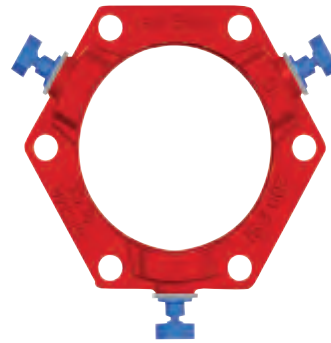
## PRICE LIST

### ONE-LOK™ Wedge Action Restraints for PVC Pipe

#### ONE-LOK SERIES SLCE

Wedge-Action Gland for Restraining PVC  
Pipe for Mechanical Joint Fittings.

Nominal Pipe Size (in.)	Item No	Item No	Wgt (lbs)	List Price	E-Coat List Price
	Shop Coated	E-Coat			
3	SLCE3	SLCE-X3	6	\$71.10	\$73.95
4	SLCE4	SLCE-X4	7	\$76.43	\$79.49
6	SLCE6	SLCE-X6	10	\$92.87	\$96.58
8	SLCE8	SLCE-X8	14	\$137.30	\$142.79
10	SLCE10	SLCE-X10	21	\$259.50	\$269.88
12	SLCE12	SLCE-X12	27	\$273.27	\$284.21
14	SLCE14	SLCE-X14	34	\$450.66	\$468.68
16	SLCE16	SLCE-X16	42	\$606.10	\$630.35
18	SLCE18	SLCE-X18	50	\$752.33	\$782.42
20	SLCE20	SLCE-X20	61	\$932.21	\$969.50
24	SLCE24	SLCE-X24	79	\$1,076.59	\$1,119.66
30	SLCE30	SLCE-X30	198	\$3,269.43	\$3,400.21
36	SLCE36	SLCE-X36	248	\$3,988.55	\$4,148.09
42	SLCE42	SLCE-X42	655	\$9,047.69	\$9,409.61
48	SLCE48	SLCE-X48		\$11,714.27	\$12,182.85
54	SLCE54	SLCE-X54	911.89	POA	POA
60	SLCE60	SLCE-X60	1004.4	POA	POA



(4" through 12" AWWAC-900 or ASTM D2241 IPS, 14" through 24" AWWA C-905) to Mechanical Joint Fittings.

\*SLCE Restraints were previously referred to as SLC

## PRICE LIST

## ONE-LOK™ Wedge Action Restraints for PVC Pipe

## ONE-LOK SERIES SLCEP

Wedge-action Gland Restrainer Accessory Kit  
for Restraining PVC Pipe to Mechanical Joint Fittings.

Nominal Pipe Size (in.)	Item No	Item No	Weight (lbs.)	List Price	E-Coat List Price	Item No	Item No	List Price Teflon Accessories	List Price E-Coat with Tef on Accessories
	Shop Coated	E-Coat				With Teflon Accessories	E-Coat with Teflon Accessories		
3	SLCEP3	SLCE-XP3	9	\$106.01	\$110.25	SLCEP3TT	SLCE-XP3TT	\$132.98	\$132.98
4	SLCEP4	SLCE-XP4	11	\$114.10	\$118.67	SLCEP4TT	SLCE-XP4TT	\$143.78	\$143.78
6	SLCEP6	SLCE-XP6	16	\$142.85	\$148.56	SLCEP6TT	SLCE-XP6TT	\$206.25	\$206.25
8	SLCEP8	SLCE-XP8	21	\$192.71	\$200.41	SLCEP8TT	SLCE-XP8TT	\$259.73	\$259.73
10	SLCEP10	SLCE-XP10	30	\$335.55	\$348.98	SLCEP10TT	SLCE-XP10TT	\$373.86	\$373.86
12	SLCEP12	SLCE-XP12	37	\$352.16	\$366.24	SLCEP12TT	SLCE-XP12TT	\$432.27	\$432.27
14	SLCEP14	SLCE-XP14	48	\$554.91	\$577.11	SLCEP14TT	SLCE-XP14TT	\$696.39	\$696.39
16	SLCEP16	SLCE-XP16	58	\$725.57	\$754.59	SLCEP16TT	SLCE-XP16TT	\$844.70	\$844.70
18	SLCEP18	SLCE-XP18	67	\$880.86	\$916.10	SLCEP18TT	SLCE-XP18TT	\$1,077.39	\$1,077.39
20	SLCEP20	SLCE-XP20	82	\$1,078.56	\$1,121.71	SLCEP20TT	SLCE-XP20TT	\$1,090.49	\$1,090.49
24	SLCEP24	SLCE-XP24	101	\$1,249.23	\$1,299.19	SLCEP24TT	SLCE-XP24TT	\$1,365.06	\$1,365.06
30	SLCEP30	SLCE-XP30	225	\$3,305.16	\$3,437.36	SLCEP30TT	SLCE-XP30TT	\$3,825.81	\$3,825.81
36	SLCEP36	SLCE-XP36	307	\$4,032.14	\$4,193.43	SLCEP36TT	SLCE-XP36TT	\$4,562.55	\$4,562.55
42	SLCEP42	SLCE-XP42	771	\$9,146.62	\$9,512.49	SLCEP42TT	SLCE-XP42TT	\$13,567.40	\$13,567.40
48	SLCEP48	SLCE-XP48		\$11,842.35	\$12,316.04	SLCEP48TT	SLCE-XP48TT	\$16,647.12	\$16,647.12
54	SLCEP54	SLCE-XP54	1104.8	See SLCE-XP54	POA	SLCEP54TT	SLCE-XP54TT	See SLCE-XP54TT	POA
60	SLCEP60	SLCE-XP60	1197.7	See SLCE-XP60	POA	SLCEP60TT	SLCE-XP60TT	See SLCE-XP60TT	POA

## ONE-LOK SERIES SLCEP-T

Wedge-action Gland Restrainer with TG Accessory Kit

Nominal Pipe Size (in.)	Item No.	List Price
4	SLCEP4T	\$123.95
6	SLCEP6T	\$154.68
8	SLCEP8T	\$207.95
10	SLCEP10T	\$360.62
12	SLCEP12T	\$378.37

\*\*Electrodeposition Coatings available on request, contact SIGMA for details.

## PRICE LIST

### PV-LOK™ Serration Lock Restraints for PVC Pipe

#### PV-LOK SERIES PWM

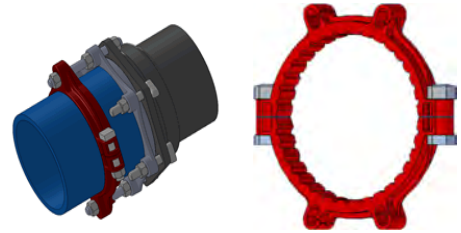
Serration-Lock Clamp for Restraining AWWA C900/C905 PVC Pipe to Mechanical Joint Fittings or Push-On with Ear-Lug Fittings.

Nominal Pipe Size (in.)	Item No	Item No	Weight (lbs.)	List Price	E-Coat List Price
	Standard	E-Coat			
4	PWM-C4	PWME-C4	12	\$70.47	\$73.28
6	PWM-C6	PWME-C6	13	\$86.52	\$89.98
8	PWM-C8	PWME-C8	19	\$144.21	\$149.98
10	PWM-C10	PWME-C10	33	\$242.27	\$251.97
12	PWM-C12	PWME-C12	36	\$259.15	\$269.51
14	PWM-C14	PWME-C14	50	\$527.06	\$548.14
16	PWM-C16	PWME-C16	55	\$548.64	\$570.59
18	PWM-C18	PWME-C18	65	\$658.38	\$684.72
20	PWM-C20	PWME-C20	170	\$907.99	\$944.30
24	PWM-C24	PWME-C24	191	\$1,392.99	\$1,448.71
30	PWM-C30	PWME-C30	265	\$2,476.08	\$2,575.11
36	PWM-C36	PWME-C36	320	\$2,971.82	\$3,090.70
42	PWM-C42	PWME-C42	758	\$8,035.73	\$8,357.17
48	PWM-C48	PWME-C48	790	\$8,814.13	\$9,166.70

#### PV-LOK SERIES PVM

Serration-Lock Clamp for Restraining ASTM D2241 IPS PVC Pipe to Mechanical Joint Fittings or Push-On with Ear-Lug Fittings.

Nominal Pipe Size (in.)	Item No.	Item No. E-Coat	Pipe OD (in.)	Weight (lbs.)	List Price	E-Coat List Price
2	PVM-S2	PVME-S2	2.375	5	\$58.26	\$60.60
3	PVM-S3	PVME-S3	3.5	8	\$70.86	\$73.70
4	PVM-S4	PVME-S4	4.5	12	\$75.21	\$78.22
6	PVM-S6	PVME-S6	6.625	13	\$92.16	\$95.85
8	PVM-S8	PVME-S8	8.625	19	\$123.46	\$128.40
10	PVM-S10	PVME-S10	10.75	33	\$258.21	\$268.54
12	PVM-S12	PVME-S12	12.75	36	\$276.05	\$287.08



#### PV-LOK SERIES PWP

Serration-Lock Clamping Rings for Restraining AWWA C900/C905 PVC Bell X Spigot Pipe Joints.

Nominal Pipe Size (in.)	Item No	Item No	Pipe OD (in.)	Wgt (lbs)	List Price	E-Coat List Price
	Standard	E-Coat				
4	PWP-C4	PWPE-C4	4.80	18	\$111.75	\$116.22
6	PWP-C6	PWPE-C6	6.90	21	\$139.91	\$145.51
8	PWP-C8	PWPE-C8	9.05	32	\$233.87	\$243.23
10	PWP-C10	PWPE-C10	11.10	54	\$406.41	\$422.67
12	PWP-C12	PWPE-C12	13.20	59	\$444.85	\$462.65
14	PWP-C14	PWPE-C14	15.30	105	\$1,014.66	\$1,055.25
16	PWP-C16	PWPE-C16	17.40	115	\$1,031.70	\$1,072.97
18	PWP-C18	PWPE-C18	19.50	135	\$1,277.39	\$1,328.48
20	PWP-C20	PWPE-C20	21.60	299	\$1,804.08	\$1,876.24
24	PWP-C24	PWPE-C24	25.80	341	\$2,658.24	\$2,764.57
30	PWP-C30	PWPE-C30	32.00	540	\$5,094.66	\$5,298.44
36	PWP-C36	PWPE-C36	38.30	655	\$6,467.06	\$6,725.74
42	PWP-C42	PWPE-C42	44.50	1400	\$15,064.68	\$15,667.26
48	PWP-C48	PWPE-C48	50.80	1400	\$16,733.36	\$17,402.70

#### PV-LOK SERIES PVP

Serration-Lock Clamping Rings for Restraining ASTM D2241 IPS PVC Bell X Spigot Pipe Joints.

Nominal Pipe Size (in.)	Item No.	Item No. E-Coat	Pipe OD (in.)	Wgt (lbs)	List Price	E-Coat List Price
2	PVP-S2	PVPE-S2	2.375	9	\$92.15	\$95.85
3	PVP-S3	PVPE-S3	3.5	15	\$99.56	\$103.55
4	PVP-S4	PVPE-S4	4.5	18	\$105.65	\$109.87
6	PVP-S6	PVPE-S6	6.625	21	\$125.19	\$130.20
8	PVP-S8	PVPE-S8	8.625	32	\$228.65	\$237.80
10	PVP-S10	PVPE-S10	10.75	54	\$397.31	\$413.20
12	PVP-S12	PVPE-S12	12.75	59	\$434.71	\$452.10



NOTE: 2-12" are packed in a shrink wrapped carton. 14"-48" are bulk packed.

\*\*PWM-C/PWP-C/PWPF-C Products were previously referred to as PVM-C/PVP-C/PVPF-C





# PIPE RESTRAINT PRODUCTS PRICE LIST

PRP  
Effective 01-17-2022-1

## PV-LOK™ Serration Lock Restraints for PVC Pipe (cont.)

### PV-LOK SERIES PVPF

Serration-Lock Clamping Ring and Split Beveled Back-up Ring for Restraining AWWA C900 PVC Pipe to PVC Pressure Fittings.

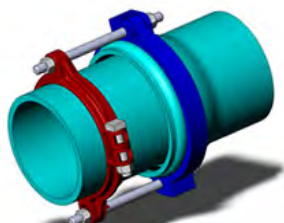
Nominal Pipe Size (in.)	Item No	Item No	Pipe OD (in.)	Wgt (lbs)	List Price	E-Coat List Price
	Standard	E-Coat				
4	PWPF-C4	PWPFE-C4	4.80	14	\$111.25	\$115.70
6	PWPF-C6	PWPFE-C6	6.90	18	\$149.15	\$155.11
8	PWPF-C8	PWPFE-C8	9.05	24	\$243.50	\$253.24
10	PWPF-C10	PWPFE-C10	11.10	53	\$400.48	\$416.51
12	PWPF-C12	PWPFE-C12	13.20	58	\$467.63	\$486.34

### PV-LOK SERIES PVPF

Serration-Lock Clamping Ring and Split Beveled Back-up Ring for Restraining ASTM D2241 IPS PVC Pipe to PVC Pressure Fittings.

Nominal Pipe Size (in.)	Item No.	Item No. E-Coat	Pipe OD (in.)	Wgt (lbs)	List Price	E-Coat List Price
4	PVPF-S4	PVPFE-S4	4.5	14	\$118.67	\$123.42
6	PVPF-S6	PVPFE-S6	6.625	18	\$159.09	\$165.46
8	PVPF-S8	PVPFE-S8	8.625	24	\$259.48	\$269.87

\*\*PVM-C/PWP-C/PWPF-C Products were previously referred to as PVM-C/PVP-C/PVPF-C



## SIGMAFLANGE™ Restrained Flange Adapter Fitting

### SIGMAFLANGE Adapter Only

Nominal Pipe Size (in.)	Item No.	Weight (lbs.)	List Price
3	SFA3	8.0	\$129.21
4	SFA4	13.0	\$145.97
6	SFA6	19.5	\$242.46
8	SFA8	28.0	\$406.05
10	SFA10	46.5	\$549.51
12	SFA12	54.0	\$727.38
14	SFA14	68.0	\$1,718.17
16	SFA16	88.0	\$2,012.65
18	SFA18	101.0	\$2,146.04
20	SFA20	126.0	\$2,429.18
24	SFA24	166.0	\$3,077.28
30	SFA30	396.0	\$3,807.17
36	SFA36	437.0	\$4,964.48



\*Includes SIGMAFLANGE Adapter and O-Ring.

For Reference only: When ordering, customers should separately order the SFA adapter and Wedge Action Restrainer with accessories.

# PIPE RESTRAINT PRODUCTS

## PRICE LIST



### SIGMAFLANGE with SLCEP ONE-LOK™ Restrainer Pack for PVC Pipe

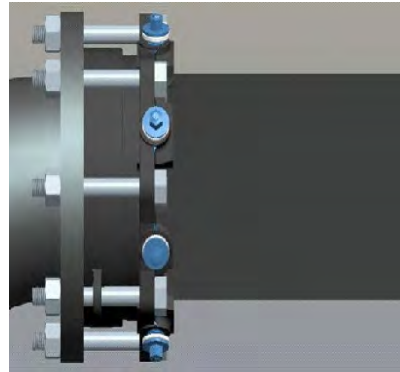
Nominal Pipe Size (in.)	Item No.	Weight (lbs.)	List Price
3	SFACP3	16.5	\$243.86
4	SFACP4	27.0	\$267.62
6	SFACP6	36.5	\$399.26
8	SFACP8	49.5	\$620.70
10	SFACP10	80.5	\$915.06
12	SFACP12	96.0	\$1,119.23
14	SFACP14	123.0	\$2,397.29
16	SFACP16	159.0	\$2,815.54
18	SFACP18	173.0	\$3,330.06
20	SFACP20	215.0	\$3,729.31
24	SFACP24	322.0	\$4,795.45
30	SFACP30	601.0	\$7,192.76
36	SFACP36	726.0	\$9,057.40

### SIGMAFLANGE with SLDEP ONE-LOK™ Restrainer Pack for Ductile Iron Pipe

Nominal Pipe Size (in.)	Item No.	Weight (lbs.)	List Price
3	SFADP3	16.5	\$228.78
4	SFADP4	27.0	\$252.96
6	SFADP6	36.5	\$378.12
8	SFADP8	49.5	\$593.93
10	SFADP10	80.5	\$817.52
12	SFADP12	96.0	\$1,086.85
14	SFADP14	123.0	\$2,215.14
16	SFADP16	159.0	\$2,669.22
18	SFADP18	173.0	\$3,006.33
20	SFADP20	215.0	\$3,469.92
24	SFADP24	322.0	\$4,475.62
30	SFADP30	601.0	\$6,660.12
36	SFADP36	726.0	\$8,835.54

### SIGMAFLANGE UNIVERSAL JOINT – SFUP FOR DUCTILE IRON, PVC, STEEL, HDPE PIPE

Nominal Pipe Size (in.)	Item No.	Weight (lbs.)	List Price
3	SFUP3	13	\$209.28
4	SFUP4	19	\$267.87
6	SFUP6	28	\$393.61
8	SFUP8	37	\$621.71
10	SFUP10	58	\$881.91
12	SFUP12	66	\$1,130.87
14	SFUP14	80	\$1,676.89
16	SFUP16	109	\$2,465.78
18	SFUP18	124	\$2,761.77
20	SFUP20	160	\$3,048.13
24	SFUP24	209	\$3,717.22
30	SFUP30	402	POA
36	SFUP36	583	POA



For Reference only: When ordering, customers should separately order the SFA adapter and Wedge Action Restrainer with accessories.



# PIPE RESTRAINT PRODUCTS PRICE LIST

PRP  
Effective 01-17-2022-1

## ZIP-FLANGETM Field Installed Adapter Flange

For Ductile Iron Pipe (DI O.D.) to Flanged Fitting, Valve, Pump ...  
**STANDARD DUTY**

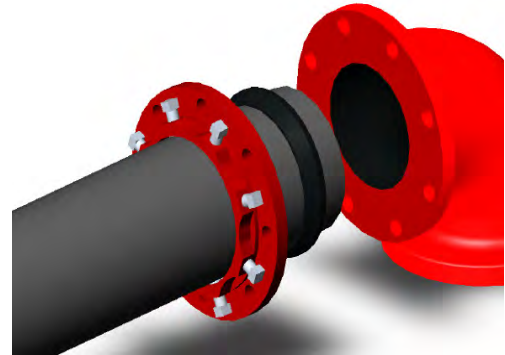
Size (in.)	Item No.	Weight (lbs.)	List Price
2	ZF2-C2	4	\$65.08
3	ZF2-C3	5	\$80.53
4	ZF2-C4	8	\$108.87
6	ZF2-C6	10	\$117.28
8	ZF2-C8	16	\$162.87
10	ZF2-C10	22	\$292.54
12	ZF2-C12	31	\$341.22

For Steel Pipe O.D. to Flanged Fitting, Valve, Pump ...  
**STANDARD DUTY**

Size (in.)	Item No.	Weight (lbs.)	List Price
2	ZF2-S2	4	\$93.05
3	ZF2-S3	5	\$119.06
4	ZF2-S4	8	\$125.70
6	ZF2-S6	10	\$158.44
8	ZF2-S8	16	\$173.94
10	ZF2-S10	22	\$355.39
12	ZF2-S12	31	\$419.12

### STANDARD DUTY

Size (in.)	Item No.	Weight (lbs.)	List Price
14	ZF4-C14	70	\$775.82
16	ZF4-C16	79	\$971.87
18	ZF4-C18	90	\$1,098.90
20	ZF4-C20	145	\$1,328.59
24	ZF4-C24	175	\$1,791.95
30	ZF4-C30	270	\$3,072.29
36	ZF4-C36	400	\$4,514.61
42	ZF4-C42	602	\$5,630.15
48	ZF4-C48	680	\$7,515.56



## SNAP-ON GASKET

Multi-Purpose gasket for mechanical joints on pipes with IPS or C900/DIP outside diameters

Size (in.)	Item No.	Weight (lbs.)	List Price
4	SOG4	0.675	\$13.77
6	SOG6	0.931	\$20.12
8	SOG8	1.181	\$26.37
10	SOG10	1.450	\$30.97
12	SOG12	1.475	\$38.72





JOINT RESTRAINT PRODUCTS

# IMPORT PRICE LIST

EFFECTIVE JANUARY 31, 2022

version: **IMP-JRPL.22.01**  
EFFECTIVE: JANUARY 31, 2022  
(SUPERSEDES ALL PREVIOUS PRICING)

*PLEASE CALL FOR SPECIAL COATINGS*

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Fax: (951) 898-9561

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Fax: (281) 558-9000

**CAMBRIDGE CALL CENTER (CANADA)**

Toll Free: (888) 893-7827  
Fax: (519) 650-1553



Certified to  
ISO 9001:2015

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Corporate Headquarters  
800.999.3009 Toll Free  
281.558.3000 Telephone  
281.558.9000 Fax

# General Terms and Conditions

## GENERAL

Star Pipe Products' ("Seller") terms and conditions of sale (the "Terms") shall control with respect to any sale of Seller's products (the "Goods") to any customer (each, a "Buyer") (each, an "Order"). No waiver, alteration or modification of these terms and conditions whether on Buyer's purchase order or otherwise shall be valid unless the waiver, alteration or modification is specifically accepted in writing and signed by an authorized representative of Seller. Buyer acknowledges that these Terms and Conditions are subject to change from time to time and the parties agree that each sale of Goods will be independently governed by the version of the Terms available online at [www.starpipeproducts.com](http://www.starpipeproducts.com) at the time of acceptance by Seller such order. All references by Seller to Buyer's specifications and similar requirements are only to describe Goods and work covered hereby and no warranties or other terms will have any force or effect. Buyer may not rely on any representation, promise or term not set forth herein and Seller expressly objects to and rejects all terms not contained in these Terms. Seller's acceptance of an Order, whether oral or written, and/or its delivery of Goods to Buyer is based on the express condition that Buyer agrees to all of these Terms.

## GOVERNING LAW; VENUE

These Terms (and every Order) shall be deemed made under and governed by the laws of the State of Texas and shall be construed and enforced in accordance therewith (without regard to its rules respecting conflicts of Law). Buyer irrevocably submits to the jurisdiction and venue of the state and federal courts located in Harris County, State of Texas, hereby waives any objections or defenses to such forum jurisdiction and venue selection, and agrees and consents that service of process may be made upon it in any legal proceeding relating to these Terms by any means allowed under Texas or federal law. **No party shall have the right to litigate, include in any lawsuit, or otherwise present claims for any other person or entity or for any class of persons or entities, and each party waives any such rights or claims it might have.**

## QUOTATIONS

Where Seller issues a quotation to place a bid, Seller's quotation is for prompt acceptance (not later than 30 days) and Seller reserves the right to modify and/or withdraw such quotation without notice. Buyer's prompt acceptance of the quotation and these Terms are material terms of the quotation and any resulting Order. In cases where freight allowance is included in the quotation, Buyer shall be liable for any rate increase and/or additional expense over the calculated allowance resulting from compliance with Buyer's shipping instructions.

## DELIVERY

Seller will make every effort to complete delivery of Goods as indicated on an Order, but Seller shall have no responsibility or liability, and will accept no back charge, for losses or damages arising from delivery delays or failure to give notice of expected delay. Seller may terminate any Order without liability of any nature, by written notice to Buyer, in the event that the delay in delivery or performance resulting from any of the aforesaid causes shall continue for a period of longer than sixty (60) days.

## WARRANTY

Seller warrants Goods of its own manufacture for one (1) calendar year from the date of shipment shall conform to the material and technical specifications set forth in the Order. Goods manufactured by others are sold "as is" except to the extent the manufacturer honors any applicable warranty made by the manufacturer. Secondhand goods are sold "as is". If the new Goods fail to conform with such specifications upon inspection by Seller, Seller will, at its option and as Buyer's sole remedy, either repair or replace such Goods having defects in material or workmanship with the type originally furnished. Seller shall not be liable or responsible and Seller's warranty obligations shall not apply if (A) upon inspection any defects are attributed to normal wear and tear, erosion or corrosion, improper storage, use or maintenance or use of Goods with incompatible products, (B) the defect is in any portion or part of Goods not manufactured by Seller, (C) Goods have been repaired or altered outside of Seller's factory, in any manner; (D) Goods have been subjected to misuse, negligence or accidents; or (E) Goods have been used in a manner contrary to Seller's instructions or recommendations. If (B) above is applicable, Seller will, as an accommodation to Buyer, assign to Buyer any warranties given to it by any such other manufacturers; provided, however, that the foregoing will not extend Seller's warranty to any accessory products unless otherwise agreed to in writing by Seller. If Seller's examination shall disclose to its satisfaction that the Good is defective, cannot be replaced and an adjustment is required, the amount of such adjustment shall not exceed the net line item sales price of the defective Good only and no allowance will be made for labor or expense of repairing or replacing defective Good or workmanship or damage resulting from the same. No adjustment shall be implemented unless the Good in question is returned to Seller in its originally installed condition, still connected to other components of the joint. Buyer must contact Seller as quickly as possible so Seller can assess the Good in its installed condition. No claims will be honored unless claim is made within forty-five (45) days of the defect being discovered. Where engineering design or fabrication work is supplied, Buyer's acceptance of Seller's design or of delivery of work shall relieve Seller of all further obligation for such services. **THIS CLAUSE CONTAINS SELLER'S SOLE WARRANTY. SELLER MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED SELLER'S AFORESTATED OBLIGATION ARE HEREBY DISCLAIMED BY SELLER AND EXCLUDED FROM THIS WARRANTY.** Seller neither assumes, nor authorizes any person to assume for it, any other obligation in connection with the sale of its engineering designs or Goods. Seller shall not be responsible for design errors due to inaccurate or incomplete information supplied by Buyer or its representatives. This warranty is non-transferable.

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Seller shall not be liable for any loss, damage, cost of repairs, labor costs, special, incidental or consequential damages of any kind, whether based upon warranty (except for the obligation accepted by Seller under "Warranty" above), contract or negligence, arising in connection with the design, manufacture, sale, use or repair of the Goods or of the engineering designs supplied to Buyer. **IN NO EVENT SHALL SELLER'S AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO ANY ORDER ISSUED PURSUANT TO ANY ORDER, WHETHER ARISING OUT OF OR RELATED TO BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE OF ANY KIND) OR OTHERWISE, EXCEED THE LINE ITEM PRICE OF THE GOOD(S) GIVING RISE TO THE CLAIM OR \$10,000 USD, WHICHEVER IS LESS.**

(Continued)

# General Terms and Conditions

<b>DISCLAIMER</b>	(1) PER AWWA/ANSI C110 A21.10, THE FLANGED JOINT IS GENERALLY SPECIFIED FOR ABOVE GROUND SERVICE. UNDERGROUND USE OF THE FLANGED JOINT IS GENERALLY NOT DESIRABLE DUE TO THE RIGIDITY OF THE JOINT. (2) SELLER WILL NOT PROVIDE WARRANTY FOR OR BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF GOOD DAMAGED BY PRESSURE JETTING OF ANY KIND, REGARDLESS OF AGE OR CAUSE.
<b>RETURNS</b>	Seller will not accept return of any Good(s) unless Seller's written permission has been first obtained, in which case the Goods will be credited subject to the following: (a) All material returned must, on its arrival at Seller's plant, be found to be in first-class condition; if not, cost of putting in saleable condition will be deducted from credit memoranda; (b) A handling charge deduction of twenty-five percent (25%) will be made from all credit memoranda issued for material returned; (c) Transportation charges, if not prepaid will be deducted from credit memoranda.
<b>SHIPMENTS</b>	All Goods sent out will be carefully examined, counted and packed. The cost of any special packing or special handling caused by Buyer's requirements or requests shall be added to the amount of the Order. No claim for shortages will be allowed unless made in writing within ten (10) days of receipt of a shipment. Claims for Goods damaged or lost in transit should be made on the carrier, as Seller's responsibility ceases, and title passes, on delivery to the carrier.
<b>GOODS</b>	Orders covering special, made-to-order, rush or non-standard Goods are not subject to cancellation except on such terms as Seller may specify on application.
<b>PRICES</b>	All prices and designs are subject to change without notice. All prices are F.O.B. Point of Shipment, unless otherwise stated.
<b>FORCE MAJEURE</b>	Seller shall not be responsible or liable in any way for any failure to perform due to acts of God, fire, flood, serious accidents, foreign or United States embargo, war or riot, serious shortages, unavailability or significant price increases in commodities, materials or components, labor disputes, interruption of transportation, loss of essential production services, laws, rules, regulations, instructions or acts of any U.S. or foreign governmental authority, or by any other event beyond the reasonable control of Seller or its subcontractors.
<b>TAXES</b>	The amount of any sales, excise or other taxes, if any, applicable to the Goods covered by this order, shall be added to the purchase price and shall be paid by Buyer unless Buyer provides Seller with an exemption certificate acceptable to the taxing authorities.
<b>MISCELLANEOUS</b>	Seller produces both domestic and import Goods and each are cast with country of origin. The responsibility lies with the ordering and receiving parties to determine the suitability and origin of all Goods being requested. All Goods should be installed per Seller's installation instructions. Seller's Terms always apply. Please contact Seller if either are not readily available. All Domestic fittings are compliant with the Consolidated Appropriations Act of 2014 (AIS), the Recovery and Reinvestment Act of 2009 (ARRA) and the Buy America Acts of 1983 and 1933. We offer two (2) types of Domestic restraint Goods: (1) AIS Compliant and (2) Buy American Compliant.

(1) All Goods described as AIS Compliant meet all requirements of the American Iron and Steel provision of the Consolidated Appropriations Act of 2014 (AIS), the Buy America Act of 1983 and the Buy American Act of 1933.

(2) Buy American Compliant Goods meet the original Federal Buy American Act of 1933. These Goods may include import components and this will be noted in the description of the Good.

**Pressure Cleaning Guidelines:** The Ductile Iron Pipe Research Association publishes the Installation Guide for Ductile Iron Pipe. The following language comes from Chapter 7 of the February 2012 edition of this document: "The use of pressure washing to clean the inside diameter of cement-mortar-lined iron pipe is not recommended due to the possibility of damage to the seal coat and/or cement-mortar lining. The aggressiveness of the pressure washing is dependent on water pressure, travel speed, water jets, water jet angle to the lining, distance of the water jets from the lining, diameter of pipe, type of lining application, etc. Any attempt to do so is at the sole risk of the equipment operator." Seller concurs with this position. Seller will not provide warranty for or be responsible for the repair or replacement of Good damaged by pressure jetting of any kind.

**Non-Pressure Sewer Applications:** If a mandrel test is required, or if a particular inside diameter is needed in order to accommodate CCTV equipment or some other tool, it is recommended that the installer check inside diameter compatibility by passing an object of the same size through the fitting prior to installation in order to ensure that the fitting's inside diameter is compatible with the test or inspection desired. Mandrels, CCTV equipment, testing balls, and any other object passed through the fitting shall be constructed such that it does not damage the fitting's lining when transported through it. Seller will not be responsible for buried sewer fittings that are incompatible with the aforementioned objects if that inside diameter that has not been assessed prior to installation.

STAR<sup>®</sup> PIPE PRODUCTS





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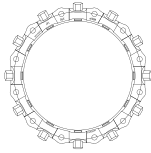
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STAR PIPE PRODUCTS



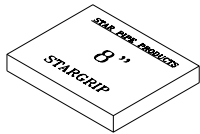






**STARGRIP® Series 3000**  
**Mechanical Joint Wedge Action Restraint for Ductile Iron Pipe**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
3	SGDP03N	\$59.55	SGDPS03N	\$61.93	200	7
4	SGDP04N	\$63.10	SGDPS04N	\$65.63	200	9
6	SGDP06N	\$74.21	SGDPS06N	\$77.17	90	13
8	SGDP08N	\$111.52	SGDPS08N	\$115.98	90	17
10	SGDP10N	\$165.29	SGDPS10N	\$171.90	40	23
12	SGDP12	\$240.82	SGDPS12	\$250.46	40	31
14	SGDP14	\$319.66	SGDPS14	\$332.45	40	54
16	SGDP16	\$456.21	SGDPS16	\$474.46	10	60
18	SGDP18	\$646.23	SGDPS18	\$672.08	12	69
20	SGDP20	\$802.59	SGDPS20	\$834.69	12	72
24	SGDP24	\$1,114.40	SGDPS24	\$1,158.97	10	120
30	SGDP30	\$2,813.76	SGDPS30	\$2,926.32	9	197
36	SGDP36	\$3,586.33	SGDPS36	\$3,729.79	9	242
42	SGDP42	sold w/acc	SGDPS42	sold w/acc	4	425
48	SGDP48	sold w/acc	SGDPS48	sold w/acc	4	500
54	N/A	N/A	SGDPS54N	sold w/acc		581
60	N/A	N/A	SGDPS60N	sold w/acc		636



**STARGRIP® Series 3000P**  
**Mechanical Joint Wedge Action Restraint for Ductile Iron Pipe**  
**Packaged With Accessories**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
3	SGDPPK03N	\$91.20	SGDPPKS03N	\$94.85	200	10
4	SGDPPK04N	\$99.28	SGDPPKS04N	\$103.25	160	12
6	SGDPPK06N	\$122.63	SGDPPKS06N	\$127.54	132	18
8	SGDPPK08N	\$167.10	SGDPPKS08N	\$173.78	99	22
10	SGDPPK10N	\$237.63	SGDPPKS10N	\$247.14	44	30
12	SGDPPK12	\$319.38	SGDPPKS12	\$332.15	44	39
14	SGDPPK14	\$424.80	SGDPPKS14	\$441.80		64
16	SGDPPK16	\$573.09	SGDPPKS16	\$596.01		71
18	SGDPPK18	\$775.00	SGDPPKS18	\$805.99		80
20	SGDPPK20	\$945.66	SGDPPKS20	\$983.49		84
24	SGDPPK24	\$1,281.40	SGDPPKS24	\$1,332.66		135
30	SGDPPK30	\$2,844.92	SGDPPKS30	\$2,958.72		241
36	SGDPPK36	\$3,625.53	SGDPPKS36	\$3,770.56		295
42	SGDPPK42	\$5,505.67	SGDPPKS42	\$5,725.90		487
48	SGDPPK48	\$7,036.54	SGDPPKS48	\$7,318.00		571
54	N/A	N/A	SGDPPKS54N	CALL		768
60	N/A	N/A	SGDPPKS60N	CALL		824

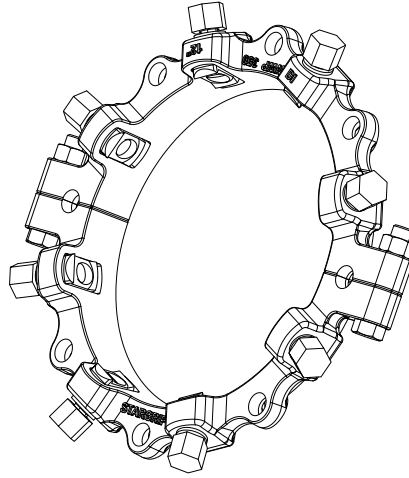
PLEASE CALL:

...FOR SPECIAL COATINGS

...FOR STAINLESS STEEL &  
STAR BLUE ACCESSORIES



**SPLIT STARGRIP® Series 3000S**  
**Split Mechanical Joint Wedge Action Restraint**  
**for New or Existing Ductile Iron Pipe, Packaged with Accessories**



NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
3	SGDPPK03S	\$187.09	SGDPPKS03S	\$194.57	12
4	SGDPPK04S	\$211.40	SGDPPKS04S	\$219.85	15
6	SGDPPK06S	\$298.43	SGDPPKS06S	\$310.36	21
8	SGDPPK08S	\$367.45	SGDPPKS08S	\$382.14	22
10	SGDPPK10S	\$458.76	SGDPPKS10S	\$477.11	32
12	SGDPPK12S	\$569.82	SGDPPKS12S	\$592.60	44
14	SGDPPK14S	\$1,246.90	SGDPPKS14S	\$1,296.77	60
16	SGDPPK16S	\$1,396.13	SGDPPKS16S	\$1,451.97	69
18	SGDPPK18S	\$1,715.07	SGDPPKS18S	\$1,783.67	74
20	SGDPPK20S	\$2,136.14	SGDPPKS20S	\$2,221.57	90
24	SGDPPK24S	\$3,530.85	SGDPPKS24S	\$3,672.08	155
30	SGDPPK30S	\$5,401.21	SGDPPKS30S	\$5,617.25	239
36	SGDPPK36S	\$7,105.55	SGDPPKS36S	\$7,389.76	286
42	SGDPPK42S	\$9,043.96	SGDPPKS42S	\$9,405.72	685
48	SGDPPK48S	\$13,690.22	SGDPPKS48S	\$14,237.84	783

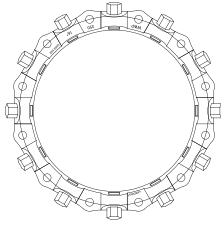
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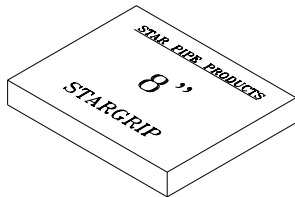
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**STARGRIP® Series 3000OS**  
**Oversized Mechanical Joint Wedge Action Restraint**  
**for Pit Cast Pipe**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	SGDPOS04	\$125.00	N/A	N/A	200	9
6	SGDPOS06	\$138.37	N/A	N/A	90	13
8	SGDPOS08	\$192.35	N/A	N/A	90	18
10	SGDPOS10	\$238.94	N/A	N/A	40	23
12	SGDPOS12	\$320.12	N/A	N/A	40	31
14	SGDPOS14	\$451.57	N/A	N/A		54
16	SGDPOS16	\$595.02	N/A	N/A		60



**STARGRIP® Series 3000OSP**  
**Oversized Mechanical Joint Wedge Action Restraint**  
**for Pit Cast Pipe**  
**Packaged with Accessories**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	SGDPOSPK04	\$169.91	N/A	N/A	160	12
6	SGDPOSPK06	\$196.50	N/A	N/A	132	18
8	SGDPOSPK08	\$258.19	N/A	N/A	99	24
10	SGDPOSPK10	\$325.12	N/A	N/A	44	30
12	SGDPOSPK12	\$415.78	N/A	N/A	44	39
14	SGDPOSPK14	\$570.03	N/A	N/A		64
16	SGDPOSPK16	\$732.35	N/A	N/A		71

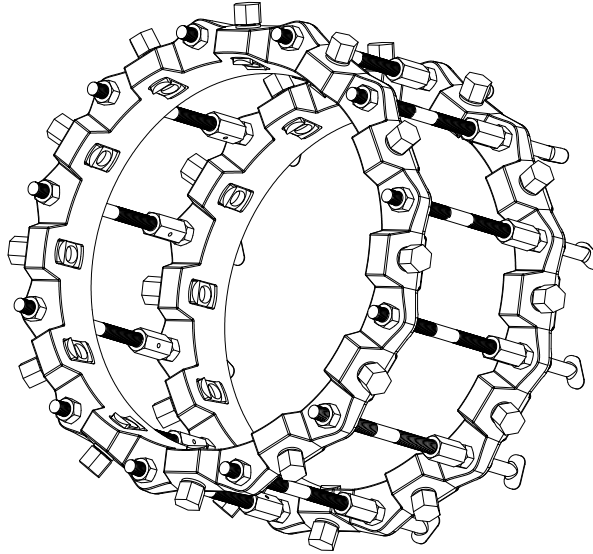
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**TANDEM STARGRIP® Series 3000T**  
**Mechanical Joint Wedge Action Restraint**  
**for High Pressure Ductile Iron Pipe to MJ Fitting Applications**



NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
3	SGDP03TMN	CALL	SGDPS03TMN	CALL	18
4	SGDP04TMN	CALL	SGDPS04TMN	CALL	28
6	SGDP06TMN	CALL	SGDPS06TMN	CALL	41
8	SGDP08TMN	CALL	SGDPS08TMN	CALL	49
10	SGDP10TMN	CALL	SGDPS10TMN	CALL	69
12	SGDP12TM	CALL	SGDPS12TM	CALL	88
14	SGDP14TM	CALL	SGDPS14TM	CALL	141
16	SGDP16TM	CALL	SGDPS16TM	CALL	159
18	SGDP18TM	CALL	SGDPS18TM	CALL	177
20	SGDP20TM	CALL	SGDPS20TM	CALL	191
24	SGDP24TM	CALL	SGDPS24TM	CALL	294
30	SGDP30TM	CALL	SGDPS30TM	CALL	520
36	SGDP36TM	CALL	SGDPS36TM	CALL	616
42	SGDP42TM	CALL	SGDPS42TM	CALL	1118
48	SGDP48TM	CALL	SGDPS48TM	CALL	1357

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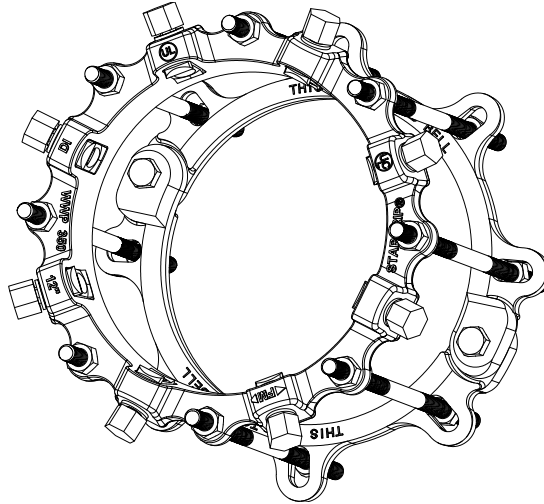
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**STARGRIP® Series 3100P Wedge Action Restrainer**  
**For Push-On Joints of Ductile Iron Pipe Bells (New Installations Only)**



NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
3	SGDPGF03N	\$123.92	SGDPGFS03N	\$128.87	19
4	SGDPGF04N	\$126.26	SGDPGFS04N	\$131.31	23
6	SGDPGF06N	\$186.94	SGDPGFS06N	\$194.40	35
8	SGDPGF08N	\$243.50	SGDPGFS08N	\$253.23	42
10	SGDPGF10N	\$426.71	SGDPGFS10N	\$443.77	60
12	SGDPGF12	\$533.96	SGDPGFS12	\$555.32	76
14	SGDPGF14	\$1,073.15	SGDPGFS14	\$1,116.07	121
16	SGDPGF16N	\$1,197.01	SGDPGFS16N	\$1,244.89	142
18	SGDPGF18	\$1,319.96	SGDPGFS18	\$1,372.76	165
20	SGDPGF20	\$1,871.48	SGDPGFS20	\$1,946.33	192
24	SGDPGF24N	\$2,423.95	SGDPGFS24N	\$2,520.90	276
30	SGDPGF30	\$4,601.07	SGDPGFS30	\$4,785.11	499
36	SGDPGF36	\$6,729.32	SGDPGFS36	\$6,998.48	576
42	**SGDPG42	\$13,961.28	**SGDPGS42	\$14,519.73	1176
48	**SGDPG48	\$18,180.75	**SGDPGS48	\$18,907.97	1379

\*The connecting rods of the 3100P will NOT clear pipe bells larger than Max Bell OD Listed.

\*\*For sizes 42" & 48" two STARGRIPS® are provided; one on the spigot and one behind the bell.

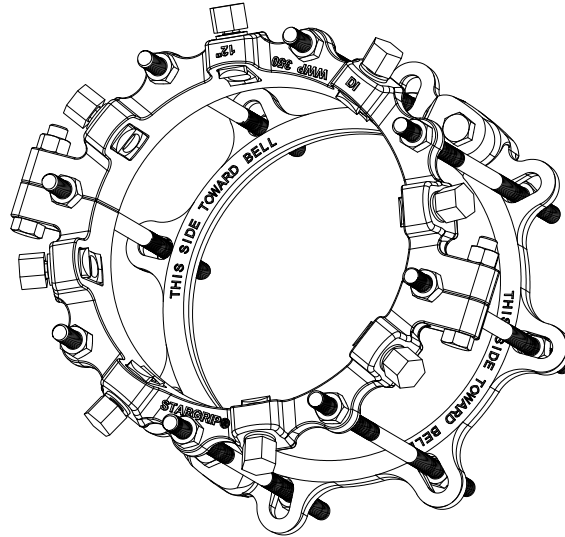
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**SPLIT STARGRIP® Series 3100S**  
**Split Wedge Action Restrainer**  
**For Push-On Joints of Ductile Iron Pipe Bells (For New & Existing Installations)**



NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
3	SGDPG03S	\$365.48	SGDPGS03S	\$380.10	20
4	SGDPG04S	\$392.53	SGDPGS04S	\$408.23	24
6	SGDPG06S	\$560.06	SGDPGS06S	\$582.46	35
8	SGDPG08S	\$667.81	SGDPGS08S	\$694.52	43
10	SGDPG10S	\$1,088.82	SGDPGS10S	\$1,132.37	62
12	SGDPG12S	\$1,306.66	SGDPGS12S	\$1,358.92	77
14	SGDPG14S	\$1,871.48	SGDPGS14S	\$1,946.33	122
16	SGDPG16SN	\$2,197.06	SGDPGS16SN	\$2,284.93	142
18	SGDPG18S	\$2,709.67	SGDPGS18S	\$2,818.05	154
20	SGDPG20S	\$3,360.39	SGDPGS20S	\$3,494.80	186
24	SGDPG24SN	\$4,238.47	SGDPGS24SN	\$4,408.00	288
30	SGDPG30S	\$6,341.08	SGDPGS30S	\$6,594.72	485
36	SGDPG36S	\$8,960.57	SGDPGS36S	\$9,318.99	600
42	SGDPG42S	\$16,157.39	SGDPGS42S	\$16,803.68	1176
48	SGDPG48S	\$23,103.62	SGDPGS48S	\$24,027.76	1366

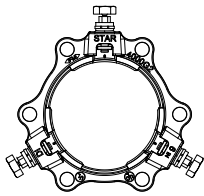
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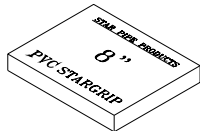
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**PVC STARGRIP® Series 4000**  
**Mechanical Joint Wedge Action Restraint for Plastic Pressure Pipe**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
3	PVC4003G2	\$71.10	PVCS4003G2	\$73.95	200	6
4	PVC4004G2	\$76.43	PVCS4004G2	\$79.49	200	7
6	PVC4006G2	\$92.87	PVCS4006G2	\$96.58	90	10
8	PVC4008G2	\$137.30	PVCS4008G2	\$142.79	90	15
10	PVC4010G2	\$259.50	PVCS4010G2	\$269.88	40	21
12	PVC4012G2	\$273.27	PVCS4012G2	\$284.21	40	25
14	PVC4014GN	\$450.66	PVCS4014GN	\$468.68	40	50
16	PVC4016GN	\$606.10	PVCS4016GN	\$630.35	10	60
18	PVC4018GN	\$752.33	PVCS4018GN	\$782.42	12	65
20	PVC4020GN	\$932.21	PVCS4020GN	\$969.50	12	76
24	PVC4024GN	\$1,076.59	PVCS4024GN	\$1,119.66	10	98
30	PVC4030GN	\$3,269.43	PVCS4030GN	\$3,400.21	9	173
36	PVC4036N	\$3,988.55	PVCS4036N	\$4,148.09	9	219
42	PVC4042	<b>sold w/acc</b>	PVCS4042	<b>sold w/acc</b>		435
48	PVC4048	<b>sold w/acc</b>	PVCS4048	<b>sold w/acc</b>		530



**PVC STARGRIP® Series 4000P**  
**Mechanical Joint Wedge Action Restraint for Plastic Pressure Pipe**  
**Packaged With Accessories**

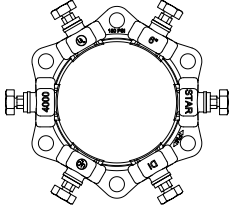
NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT IPS OD ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND IPS OD ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
3	N/A	PVCPKT4003G2	\$106.01	N/A	PVCPKST4003G2	\$110.25		
4	PVCPK4004G2	PVCPKT4004G2	\$114.10	PVCPKS4004G2	PVCPKST4004G2	\$118.67	132	10.2
6	PVCPK4006G2	PVCPKT4006G2	\$142.85	PVCPKS4006G2	PVCPKST4006G2	\$148.56	99	14.8
8	PVCPK4008G2	PVCPKT4008G2	\$192.71	PVCPKS4008G2	PVCPKST4008G2	\$200.41	60	21.1
10	PVCPK4010G2	PVCPKT4010G2	\$335.55	PVCPKS4010G2	PVCPKST4010G2	\$348.98	40	29.2
12	PVCPK4012G2	PVCPKT4012G2	\$352.16	PVCPKS4012G2	PVCPKST4012G2	\$366.24	40	33.1
14	PVCPK4014N		\$554.91	PVCPKS4014N		\$577.11		60.0
16	PVCPK4016N		\$725.57	PVCPKS4016N		\$754.59		70.0
18	PVCPK4018N		\$880.86	PVCPKS4018N		\$916.10		75.0
20	PVCPK4020N		\$1,078.56	PVCPKS4020N		\$1,121.71		88.0
24	PVCPK4024N		\$1,249.23	PVCPKS4024N		\$1,299.19		113.0
30	PVCPK4030N		\$3,305.16	PVCPKS4030N		\$3,437.36		217.0
36	PVCPK4036N		\$4,032.14	PVCPKS4036N		\$4,193.43		272.0
42	PVCPK4042		\$9,146.62	PVCPKS4042		\$9,512.49		435
48	PVCPK4048		\$11,842.35	PVCPKS4048		\$12,316.04		530

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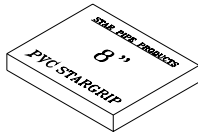
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**PVC STARGRIP® Series 4000HD**  
**Mechanical Joint Wedge Action Restraint for Plastic Pressure Pipe**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
3	PVC4003N	\$72.96	PVCS4003N	\$75.89	200	7
4	PVC4004N	\$78.43	PVCS4004N	\$81.57	200	9
6	PVC4006N	\$95.31	PVCS4006N	\$99.12	90	13
8	PVC4008N	\$140.92	PVCS4008N	\$146.56	90	17
10	PVC4010N	\$266.33	PVCS4010N	\$276.99	40	23
12	PVC4012N	\$280.46	PVCS4012N	\$291.67	40	28



**PVC STARGRIP® Series 4000HDP**  
**Mechanical Joint Wedge Action Restraint for Plastic Pressure Pipe**  
**Packaged With Accessories**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT IPS OD ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND IPS OD ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
3	N/A	PVCPKT4003N	\$110.74	N/A	PVCPKST4003N	\$115.17	132	10
4	PVCPK4004N	PVCPKT4004N	\$119.19	PVCPKS4004N	PVCPKST4004N	\$123.97	132	12
6	PVCPK4006N	PVCPKT4006N	\$149.23	PVCPKS4006N	PVCPKST4006N	\$155.20	99	18
8	PVCPK4008N	PVCPKT4008N	\$201.31	PVCPKS4008N	PVCPKST4008N	\$209.36	60	23
10	PVCPK4010N	PVCPKT4010N	\$350.52	PVCPKS4010N	PVCPKST4010N	\$364.54	40	31
12	PVCPK4012N	PVCPKT4012N	\$367.88	PVCPKS4012N	PVCPKST4012N	\$382.60	40	37

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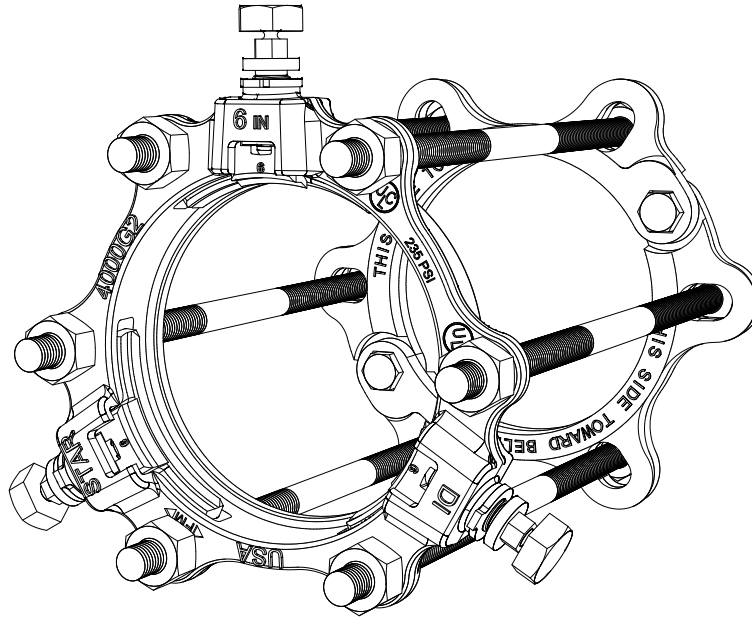
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**PVC STARGRIP® Series 4100P Wedge Action Restrainer  
 for AWWA C900/C909 PVC Pipe Bells (CI OD) (New Installations Only)**



NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
4	PVCG4004G2	\$223.12	PVCGS4004G2	\$232.04	22
6	PVCG4006G2	\$282.55	PVCGS4006G2	\$293.85	31
8	PVCG4008G2	\$374.00	PVCGS4008G2	\$388.96	40
10	PVCG4010G2	\$680.79	PVCGS4010G2	\$708.02	59
12	PVCG4012G2	\$708.68	PVCGS4012G2	\$737.03	67

{ For Sizes 14" - 36", see Series 4400 }

STAR® PIPE PRODUCTS

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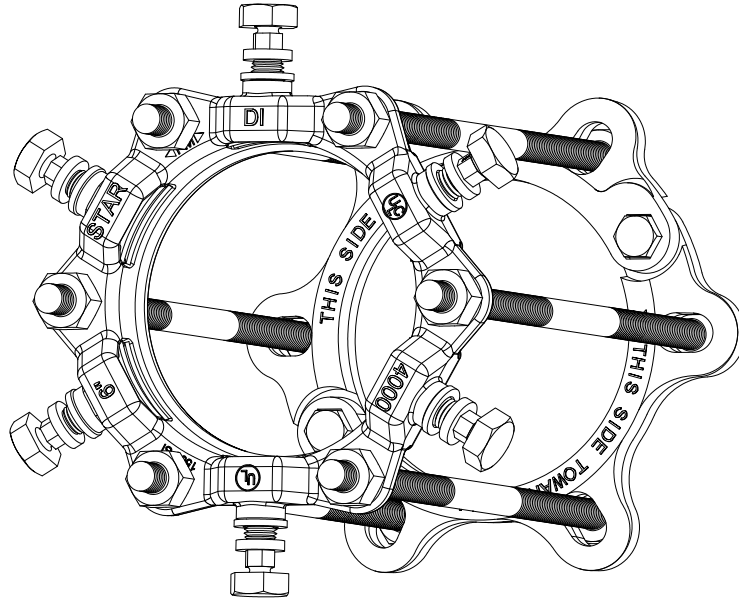


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**PVC STARGRIP® Series 4100HDP Wedge Action Restrainer  
for AWWA C900/C909 PVC Pipe Bells (CI OD) (New Installations Only)**



NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
4	PVCG4004N	\$226.63	PVCGS4004N	\$235.70	24
6	PVCG4006N	\$286.82	PVCGS4006N	\$298.30	35
8	PVCG4008N	\$380.32	PVCGS4008N	\$395.53	43
10	PVCG4010N	\$692.72	PVCGS4010N	\$720.43	62
12	PVCG4012N	\$721.22	PVCGS4012N	\$750.07	74

{ For Sizes 14" - 36", see Series 4400 }

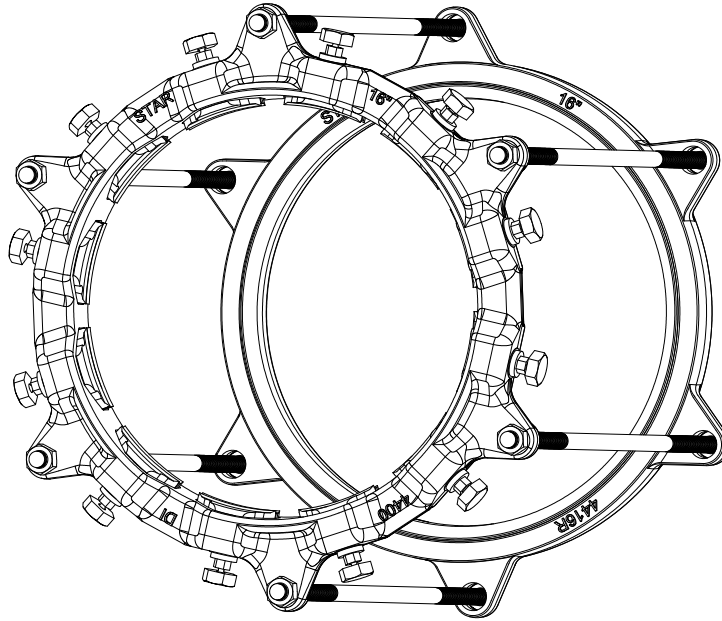
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**PVC STARGRIP® Series 4400 Wedge Action Bell Restrainer  
for AWWA C900 PVC Pipe Bells (CI OD) (New Installations Only)**



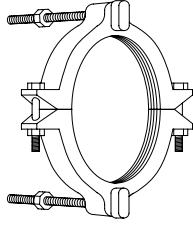
NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
14	PVC4414	\$1,101.63	PVCS4414	\$1,145.70	109
16	PVC4416	\$1,120.13	PVCS4416	\$1,164.93	134
18	PVC4418	\$1,386.88	PVCS4418	\$1,442.35	145
20	PVC4420	\$1,958.71	PVCS4420	\$2,037.06	171
24	PVC4424	\$2,886.08	PVCS4424	\$3,001.53	265
30	PVC4430	\$5,531.34	PVCS4430	\$5,752.59	409
36	PVC4436	\$7,021.37	PVCS4436	\$7,302.23	497

STAR® PIPE PRODUCTS

## PVC RESTRAINERS

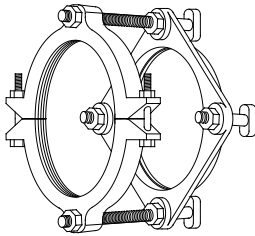


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**PVC RESTRAINERS Series 1000C**  
for AWWA C900/C909 PVC/PVCO Pipe  
with Ductile Iron Push-On Fittings

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	PRC1004G2	\$70.47	PRCS1004G2	\$73.28	300	7
6	PRC1006G2	\$86.52	PRCS1006G2	\$89.98	234	8
8	PRC1008G2	\$144.21	PRCS1008G2	\$149.98	132	15
10	PRC1010G2	\$242.27	PRCS1010G2	\$251.97	88	26
12	PRC1012G2	\$259.15	PRCS1012G2	\$269.51	88	31
14	PRC1014N	\$527.06	PRCS1014N	\$548.14		55
16	PRC1016	\$548.64	PRCS1016	\$570.59		62
18	PRC1018	\$658.38	PRCS1018	\$684.72		78
20	PRC1020	\$907.99	PRCS1020	\$944.30		113
24	PRC1024	\$1,392.99	PRCS1024	\$1,448.71		145
30	PRC1030	\$2,476.08	PRCS1030	\$2,575.11		247
36	PRC1036	\$2,971.82	PRCS1036	\$3,090.70		354
42	PRC1042ST	\$8,035.73	PRCS1042ST	\$8,357.17		701
48	PRC1048ST	\$8,814.13	PRCS1048ST	\$9,166.70		764



**PVC RESTRAINERS Series 1000CP**  
for AWWA C900/C909 PVC/PVCO Pipe  
with Mechanical Joint Fittings

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
4	PRCP1004G2	\$118.66	PRCPS1004G2	\$123.41	14
6	PRCP1006G2	\$149.42	PRCPS1006G2	\$155.40	18
8	PRCP1008G2	\$217.52	PRCPS1008G2	\$226.21	26
10	PRCP1010G2	\$348.43	PRCPS1010G2	\$362.37	42
12	PRCP1012G2	\$371.71	PRCPS1012G2	\$386.58	47
14	PRCP1014N	\$674.66	PRCPS1014N	\$701.64	78
16	PRCP1016	\$706.27	PRCPS1016	\$734.52	92
18	PRCP1018	\$871.52	PRCPS1018	\$906.38	118
20	PRCP1020	\$1,392.37	PRCPS1020	\$1,448.07	168
24	PRCP1024	\$1,646.06	PRCPS1024	\$1,711.89	223
30	PRCP1030	\$3,743.90	PRCPS1030	\$3,893.66	396
36	PRCP1036	\$4,702.23	PRCPS1036	\$4,890.32	547
42	PRCP1042ST	\$10,456.57	PRCPS1042ST	\$10,874.84	936
48	PRCP1048ST	\$11,925.97	PRCPS1048ST	\$12,403.00	1053

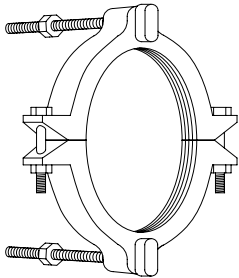
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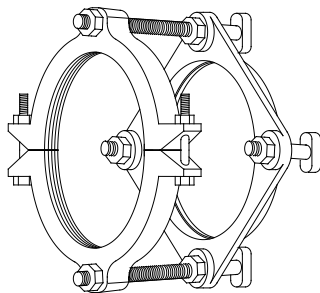
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**PVC RESTRAINERS Series 1000S  
for IPS OD PVC Pipe to Push-On Fittings**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	PRS1004	\$75.21	PRSS1004	\$78.22	300	8
6	PRS1006	\$92.16	PRSS1006	\$95.85	234	9
8	PRS1008	\$123.46	PRSS1008	\$128.40	132	16
10	PRS1010	\$258.21	PRSS1010	\$268.54	88	21
12	PRS1012	\$276.05	PRSS1012	\$287.08	88	23



**PVC RESTRAINERS Series 1000SP  
for IPS OD PVC Pipe to Mechanical Joint Fittings  
With MJ Transition Accessories**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
4	PRSP1004	\$125.64	PRSPS1004	\$130.67	14
6	PRSP1006	\$157.21	PRSPS1006	\$163.50	20
8	PRSP1008	\$197.28	PRSPS1008	\$205.18	28
10	PRSP1010	\$368.93	PRSPS1010	\$383.69	38
12	PRSP1012	\$391.41	PRSPS1012	\$407.06	42

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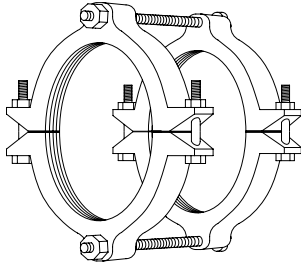
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## PVC RESTRAINERS

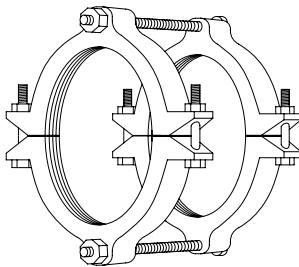


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**PVC RESTRAINERS Series 1100C**  
**Bell Restainers for AWWA CI OD C900/C909**  
**PVC/PVCO Pipe Bells**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	PRC1104G2	\$111.75	PRCS1104G2	\$116.22	130	13
6	PRC1106G2	\$139.91	PRCS1106G2	\$145.51	104	14
8	PRC1108G2	\$233.87	PRCS1108G2	\$243.23	66	27
10	PRC1110G2	\$406.41	PRCS1110G2	\$422.67	44	48
12	PRC1112G2	\$444.85	PRCS1112G2	\$462.65	44	57
14	PRC1114N	\$1,014.66	PRCS1114N	\$1,055.25		145
16	PRC1116	\$1,031.70	PRCS1116	\$1,072.97		117
18	PRC1118	\$1,277.39	PRCS1118	\$1,328.48		147
20	PRC1120	\$1,804.08	PRCS1120	\$1,876.24		221
24	PRC1124	\$2,658.24	PRCS1124	\$2,764.57		288
30	PRC1130	\$5,094.66	PRCS1130	\$5,298.44		492
36	PRC1136	\$6,467.06	PRCS1136	\$6,725.74		753
42	PRC1142ST	\$15,064.68	PRCS1142ST	\$15,667.26		1353
48	PRC1148ST	\$16,733.36	PRCS1148ST	\$17,402.70		1479



**PVC RESTRAINERS Series 1100S**  
**Bell Restainers for IPS OD PVC Pipe**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	PRS1104	\$105.65	PRSS1104	\$109.87	130	16
6	PRS1106	\$125.19	PRSS1106	\$130.20	104	18
8	PRS1108	\$228.65	PRSS1108	\$237.80	66	32
10	PRS1110	\$397.31	PRSS1110	\$413.20	44	44
12	PRS1112	\$434.71	PRSS1112	\$452.10	44	49

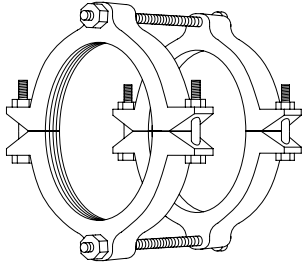
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**PVC RESTRAINER Series 1200C  
for AWWA C900/C909 PVC/PVCO Pipe  
with PVC Pressure Fittings**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	PRC1204G2	\$111.25	PRCS1204G2	\$115.70	130	14
6	PRC1206G2	\$149.15	PRCS1206G2	\$155.11	104	17
8	PRC1208G2	\$243.50	PRCS1208G2	\$253.24	66	28
10	PRC1210G2	\$400.48	PRCS1210G2	\$416.51	44	43
12	PRC1212G2	\$467.63	PRCS1212G2	\$486.34	44	54

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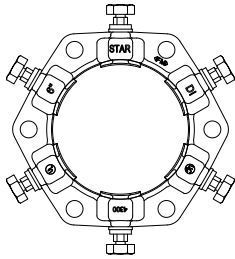


**STARFLEX™**  
Series 5000, 5100, 5200, 5300

	<p style="text-align: center;"><b>Series 5000 STARFLEX™</b></p> <p><b>Double Ball Flexible Expansion Pipe Joint</b> (Sizes 3" to 48" -- Call for Price and Availability)</p>
	<p style="text-align: center;"><b>Series 5100 STARFLEX™</b></p> <p><b>Single Ball Flexible Expansion Pipe Joint</b> (Sizes 3" to 48" -- Call for Price and Availability)</p>
	<p style="text-align: center;"><b>Series 5200 STARFLEX™</b></p> <p><b>Single Ball Flexible Pipe Joint</b> (Sizes 3" to 48" -- Call for Price and Availability)</p>
	<p style="text-align: center;"><b>Series 5300 STARFLEX™</b></p> <p><b>Expansion Pipe Joint</b> (Sizes 3" to 48" -- Call for Price and Availability)</p>

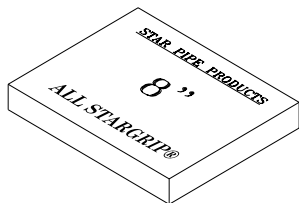
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**ALL STARGRIP® Series 4300**  
**Mechanical Joint Wedge Action Restraint**  
**For Use on DIP/Steel/C900/C909/HDPE/IPS PVC Pipe**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	ASG4304	\$78.71	N/A	N/A	200	9.5
6	ASG4306	\$95.65	N/A	N/A	90	13.4
8	ASG4308	\$141.43	N/A	N/A	90	21.0
10	ASG4310	\$267.28	N/A	N/A	40	28.7
12	ASG4312	\$281.47	N/A	N/A	40	32.8

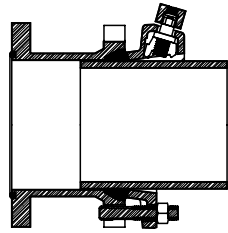
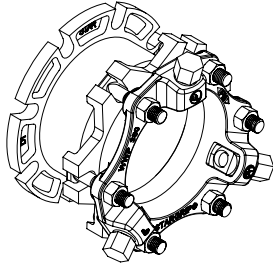


**ALL STARGRIP® Series 4300P**  
**Mechanical Joint Wedge Action Restraint**  
**For Use on DIP/Steel/C900/C909/HDPE/IPS PVC Pipe,**  
**Packaged with Accessories**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	CRT QTY	WT
4	ASGPK4304	\$119.64	N/A	N/A	132	13.1
6	ASGPK4306	\$149.74	N/A	N/A	99	18.7
8	ASGPK4308	\$202.02	N/A	N/A	60	26.8
10	ASGPK4310	\$351.79	N/A	N/A	40	36.3
12	ASGPK4312	\$369.21	N/A	N/A	40	40.4

**PLEASE CALL:**

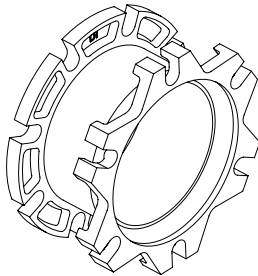
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\*Pipe Not Included

**STARFLANGE™ Series 3200  
Restrained Adapter Flange Coupling with STARGRIP®  
Series 3000 For Use on Ductile Iron Pipe**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND LIST PRICE	WT
3	RAC3203N	\$228.78	RACS3203N	\$237.92	17
4	RAC3204N	\$252.96	RACS3204N	\$263.07	23
6	RAC3206N	\$378.12	RACS3206N	\$393.24	35
8	RAC3208N	\$593.93	RACS3208N	\$617.69	47
10	RAC3210N	\$817.52	RACS3210N	\$850.22	64
12	RAC3212	\$1,086.85	RACS3212	\$1,130.32	87
14	RAC3214	\$2,215.14	RACS3214	\$2,303.73	128
16	RAC3216	\$2,669.22	RACS3216	\$2,775.99	152
18	RAC3218	\$3,006.33	RACS3218	\$3,126.58	182
20	RAC3220	\$3,469.92	RACS3220	\$3,608.71	204
24	RAC3224	\$4,475.62	RACS3224	\$4,654.64	300
30	RAC3230	\$6,660.12	RACS3230	\$6,926.52	520
36	RAC3236	\$8,835.54	RACS3236	\$9,188.95	688



**STARFLANGE™ Adapter Flange Coupling ONLY  
(FBE Coated)**

NOM SIZE	FBE-COATED ITEM CODE	FBE-COATED LIST PRICE	CRT QTY	WT
3	RAC03G	\$129.21	100	10
4	RAC04G	\$145.97	80	14
6	RAC06G	\$242.46	45	22
8	RAC08G	\$406.05	45	30
10	RAC10G	\$549.51	20	41
12	RAC12G	\$727.38	20	56
14	RAC14G	\$1,718.17	12	74
16	RAC16G	\$2,012.65	4	93
18	RAC18G	\$2,146.04	4	113
20	RAC20G	\$2,429.18	4	133
24	RAC24G	\$3,077.28	4	180
30	RAC30G	\$3,807.17	4	280
36	RAC36G	\$4,964.48	3	404

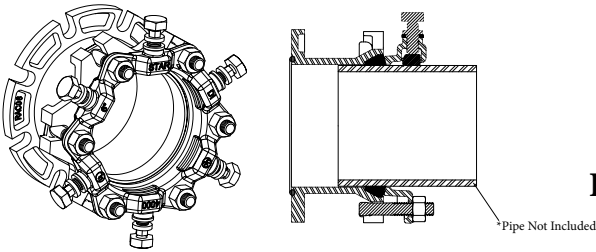
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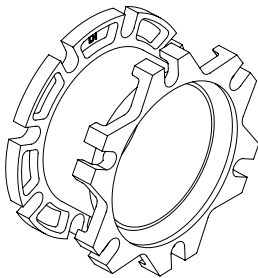


STAR PIPE PRODUCTS



**STARFLANGE™ Series 4200  
Restraint Adapter Flange Coupling  
with PVC STARGRIP® Series 4000  
For Use on Plastic Pressure Pipe and IPS PVC Pipe**

NOM SIZE	MULTI-COAT ITEM CODE	MULTI-COAT IPS OD ITEM CODE	MULTI-COAT LIST PRICE	STARBOND ITEM CODE	STARBOND IPS OD ITEM CODE	STARBOND LIST PRICE	WT
3	N/A	RACT4203G2	\$243.86	N/A	RACST4203G2	\$253.62	18
4	RAC4204G2	RACT4204G2	\$267.62	RACS4204G2	RACST4204G2	\$278.32	25
6	RAC4206G2	RACT4206G2	\$399.26	RACS4206G2	RACST4206G2	\$415.23	36
8	RAC4208G2	RACT4208G2	\$620.70	RACS4208G2	RACST4208G2	\$645.52	51
10	RAC4210G2	RACT4210G2	\$915.06	RACS4210G2	RACST4210G2	\$951.66	70
12	RAC4212G2	RACT4212G2	\$1,119.23	RACS4212G2	RACST4212G2	\$1,164.00	89
14	RAC4214N		\$2,397.29	RACS4214N		\$2,493.17	134
16	RAC4216N		\$2,815.54	RACS4216N		\$2,928.15	162
18	RAC4218N		\$3,330.06	RACS4218N		\$3,463.26	188
20	RAC4220N		\$3,729.31	RACS4220N		\$3,878.47	220
24	RAC4224N		\$4,795.45	RACS4224N		\$4,987.26	293
30	RAC4230N		\$7,192.76	RACS4230N		\$7,480.46	454
36	RAC4236N		\$9,057.40	RACS4236N		\$9,419.69	623



**STARFLANGE™ Adapter Flange Coupling ONLY  
(FBE Coated)**

NOM SIZE	FBE-COATED ITEM CODE	FBE-COATED LIST PRICE	CRT QTY	WT
3	RAC03G	\$129.20	100	10
4	RAC04G	\$145.97	80	14
6	RAC06G	\$242.45	45	22
8	RAC08G	\$406.04	45	30
10	RAC10G	\$549.50	20	41
12	RAC12G	\$727.37	20	56
14	RAC14G	\$1,718.17	12	74
16	RAC16G	\$2,012.65	4	93
18	RAC18G	\$2,146.04	4	113
20	RAC20G	\$2,429.18	4	133
24	RAC24G	\$3,077.27	4	180
30	RAC30G	\$3,807.16	4	280
36	RAC36G	\$4,964.48	3	404

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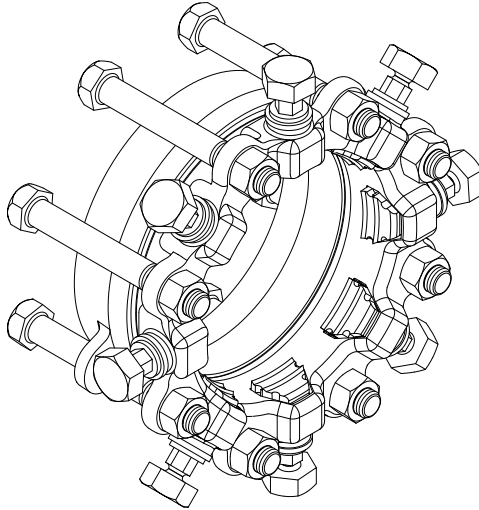
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**SUPER FLANGE™ Series 7200**  
**Restrained Adapter Flange Coupling**  
**For Use on Ductile Iron/Steel/Plastic Pressure/HDPE Pipes**



NOM SIZE	DIP OR C900/C909 PVC PIPE STARBOND ITEM CODE	IPS PVC PIPE OR STEEL PIPE STARBOND ITEM CODE	STARBOND LIST PRICE	WT
3	RSF7203	RSFT7203	\$209.28	13
4	RSF7204	RSFT7204	\$267.87	20
6	RSF7206	RSFT7206	\$393.61	29
8	RSF7208	RSFT7208	\$621.71	35
10	RSF7210	RSFT7210	\$881.91	60
12	RSF7212	RSFT7212	\$1,130.87	72
14	RSF7214		\$1,676.89	89
16	RSF7216		\$2,465.78	110
18	RSF7218		\$2,761.77	140
20	RSF7220		\$3,048.13	165
24	RSF7224		\$3,717.22	198
30	RSF7230		\$4,836.30	363
36	RSF7236		\$7,400.37	542

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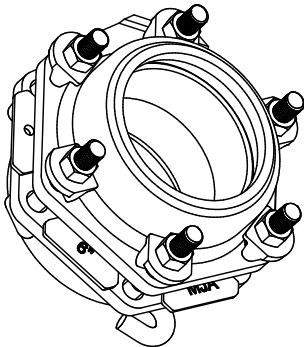
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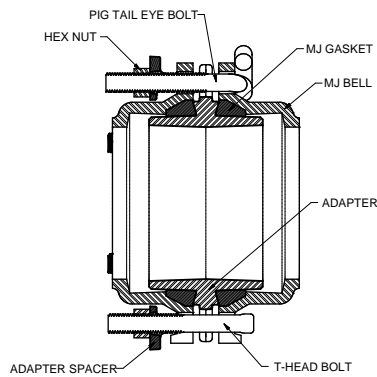


### MJxMJ ADAPTER Series 100 For Mechanical Joint Bell Connections Asphaltic Coating with HSLA Hardware

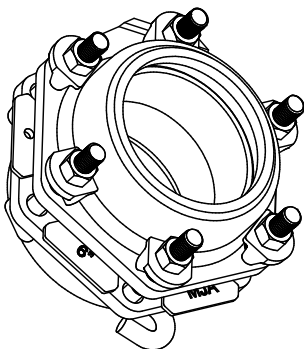


NOM. SIZE	ITEM CODE	LIST PRICE	WT
3	MJA03	CALL	10
4	MJA04	CALL	16
6	MJA06	CALL	23
8	MJA08	CALL	29
10	MJA10	CALL	41
12	MJA12	CALL	45

**NOTE:** Product is supplied with MJ x MJ adapter, 2 MJ gaskets, T-bolts, pigtail bolts (as required), nuts and spacers.



### MJxMJ ADAPTER Series 100 For Mechanical Joint Bell Connections FBE Coating with Star Blue Hardware



NOM. SIZE	ITEM CODE	LIST PRICE	WT
3	MJA03FCB	CALL	10
4	MJA04FCB	CALL	16
6	MJA06FCB	CALL	23
8	MJA08FCB	CALL	29
10	MJA10FCB	CALL	41
12	MJA12FCB	CALL	45
14	MJA14FCB	CALL	68
16	MJA16FCB	CALL	80
18	MJA18FCB	CALL	97
20	MJA20FCB	CALL	110
24	MJA24FCB	CALL	130
30	MJA30FCB	CALL	229
36	MJA36FCB	CALL	289

**NOTE:** Product is supplied with MJ x MJ adapter, 2 MJ gaskets, T-bolts, pigtail bolts (as required), nuts and spacers.

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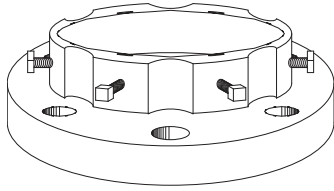
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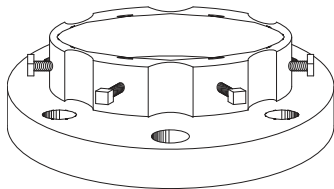
## ADAPTER FLANGES

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**FLANGE ADAPTER Series 200**  
**For Use on Ductile Iron and Steel Pipe**  
**Flange Drilling ANSI B16.1/ 125 lb. / ANSI B16.5 150 lb.**

NOM SIZE	MULTI-COAT ITEM CODE	FOR DIP OD	MULTI-COAT LIST PRICE	MULTI-COAT ITEM CODE	FOR STEEL PIPE OD	MULTI-COAT LIST PRICE	CRT QTY	WT
3	SF203G	3.96	\$80.53	SF203TG	3.5	\$80.53	400	6
4	SF204G	4.8	\$108.87	SF204TG	4.5	\$108.87	350	8
6	SF206G	6.9	\$117.28	SF206TG	6.625	\$117.28	198	11
8	SF208G	9.05	\$162.87	SF208TG	8.625	\$162.86	117	17
10	SF210G	11.1	\$292.54	SF210TG	10.75	\$292.54	65	25
12	SF212G	13.2	\$341.22	SF212TG	12.75	\$341.21	44	34



**FLANGE ADAPTER Series 400**  
**For Use on Ductile Iron and Steel Pipe**  
**Flange Drilling ANSI B16.1 125 lb. / ANSI B16.5 150 lb.**

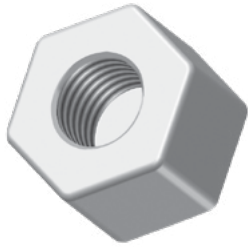
NOM SIZE	MULTI-COAT ITEM CODE	FOR DIP OD	MULTI-COAT LIST PRICE	MULTI-COAT ITEM CODE	FOR STEEL PIPE OD	MULTI-COAT LIST PRICE	CRT QTY	WT
3	SF403GN	3.96	\$119.06	SF403TGN	3.5	\$119.06	400	6
4	SF404GN	4.8	\$125.69	SF404TGN	4.5	\$125.69	350	8
6	SF406GN	6.9	\$158.43	SF406TGN	6.625	\$158.43	198	11
8	SF408GN	9.05	\$173.93	SF408TGN	8.625	\$173.93	117	17
10	SF410GN	11.1	\$355.39	SF410TGN	10.75	\$355.39	65	25
12	SF412GN	13.2	\$419.12	SF412TGN	12.75	\$419.12	44	34
14	SF414G	15.3	\$775.82					53
16	SF416G	17.4	\$971.87					69
18	SF418G	19.5	\$1,098.90					76
20	SF420G	21.6	\$1,328.59					95
24	SF424G	25.8	\$1,791.95					131
30	SF430G	32	\$3,072.29					206
36	SF436G	38.3	\$4,514.61					300

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### ZINC ANODE NUT/CAP

NOM SIZE	ITEM CODE	CRT QTY	WT	PRICE
3/4	ANODE6OZ	2000	0.4	\$14.17



### STARLUG (or Duc-Lug®) - Mechanical Joint Threaded-Rod Restraint System

NOM SIZE	ITEM CODE	CRT QTY	WT	PRICE
4 - 16	STARLUG	2000	0.8	\$7.41

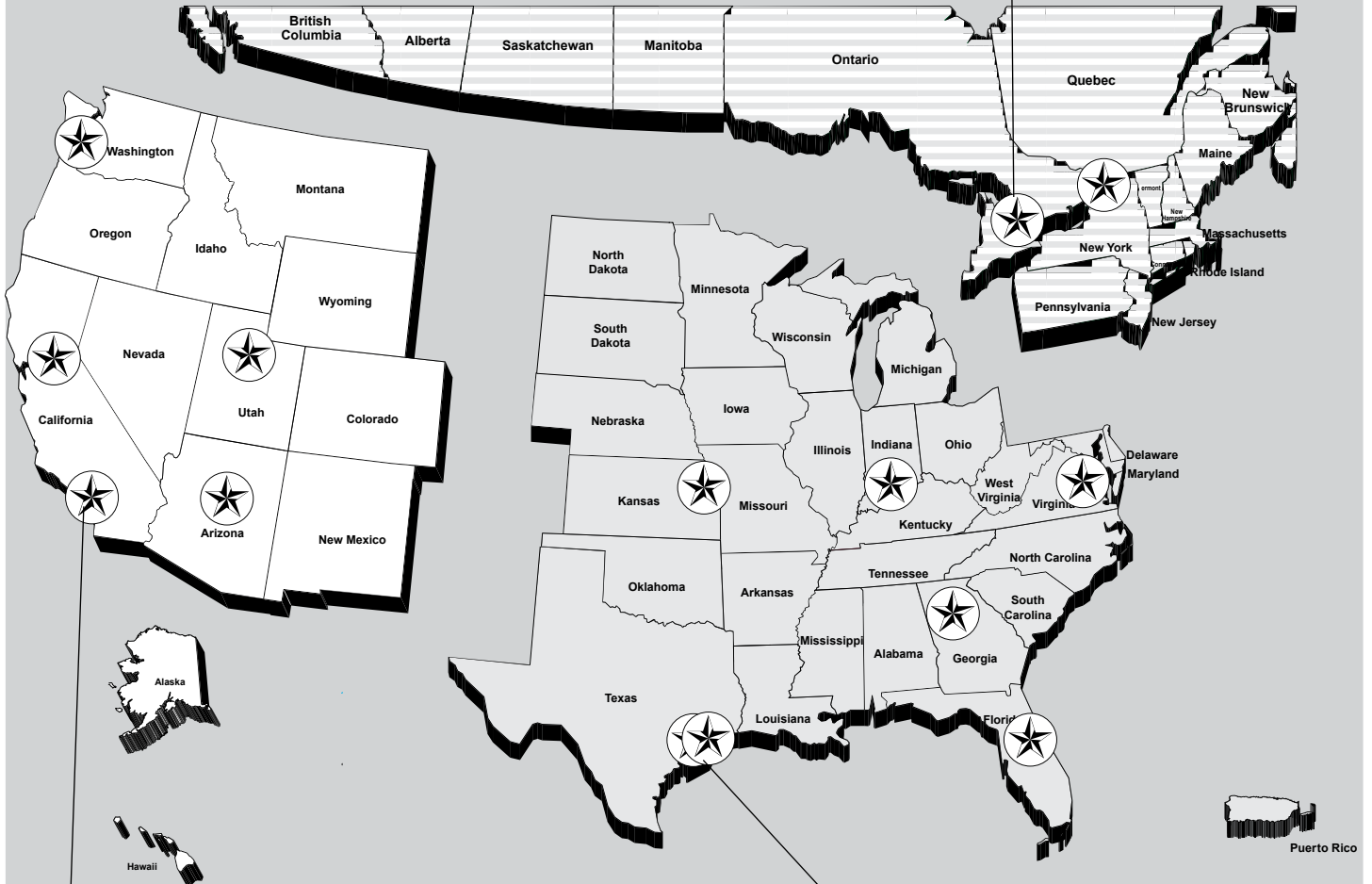
*\*Duc-Lug is a registered trademark of Astral Corporation.*

STAR<sup>®</sup> PIPE PRODUCTS





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**CORONA  
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Fax: (951) 898-9561

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Houston, TX 77082

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Corona, CA 92879

**Salt Lake City, UT**  
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West Valley City, UT 84119

**Seattle, WA**  
13605 52<sup>nd</sup> Street East  
Sumner, WA 98390

**Montreal, CAN**  
3067 Rue Joseph-A-Bomdardier  
Laval, QC H7P 6C5

**Cambridge, CAN**  
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Cambridge, Ontario, N3H4W4

**Atlanta, GA**  
5307 Peachtree Industrial Blvd.  
Chamblee, GA 30341

**Indianapolis, IN**  
7955 Zionsville Road  
Indianapolis, IN 46268

**Kansas City, MO**  
1836 Levee Road  
North Kansas City, MO 64116

**Phoenix, AZ**  
1250 East Hadley Suite 2  
Phoenix, AZ 85034



# IMPORT PRICE LIST UTILITY FITTINGS

DI COMPACT MJ FITTINGS (ANSI/AWWA C153/A21.53)

DI FULL BODY MJ FITTINGS (ANSI/AWWA C110/A21.10)

DI COMPACT PUSH-ON FITTINGS (ANSI/AWWA C153/A21.53)

DI FULL BODY FLANGE FITTINGS (ANSI/AWWA C110/A21.10)

version: **IMP-UPL.21.03**

EFFECTIVE: JUNE 1, 2021  
(SUPERSEDES ALL PREVIOUS PRICING)

#### WEST COAST (U.S.)

Toll Free: (877) 701-7827

Fax: (951) 898-9561

#### CENTRAL (U.S.)

Toll Free: (800) 999-3009

Fax: (281) 558-9000

#### CAMBRIDGE (CANADA)

Toll Free: (888) 893-7827

Fax: (519) 650-1553



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Houston, Texas 77082  
[www.starpipeproducts.com](http://www.starpipeproducts.com)

Corporate Headquarters  
800.999.3009 Toll Free  
281.558.3000 Telephone  
281.558.9000 Fax

<b>GENERAL</b>	Star Pipe Products' ("Seller") terms and conditions of sale (the "Terms") shall control with respect to any sale of Seller's products (the "Goods") to any customer (each, a "Buyer") (each, an "Order"). No waiver, alteration or modification of these terms and conditions whether on Buyer's purchase order or otherwise shall be valid unless the waiver, alteration or modification is specifically accepted in writing and signed by an authorized representative of Seller. Buyer acknowledges that these Terms and Conditions are subject to change from time to time and the parties agree that each sale of Goods will be independently governed by the version of the Terms available online at <a href="http://www.starpipeproducts.com">www.starpipeproducts.com</a> at the time of acceptance by Seller such order. All references by Seller to Buyer's specifications and similar requirements are only to describe Goods and work covered hereby and no warranties or other terms will have any force or effect. Buyer may not rely on any representation, promise or term not set forth herein and Seller expressly objects to and rejects all terms not contained in these Terms. Seller's acceptance of an Order, whether oral or written, and/or its delivery of Goods to Buyer is based on the express condition that Buyer agrees to all of these Terms.
<b>GOVERNING LAW; VENUE</b>	These Terms (and every Order) shall be deemed made under and governed by the laws of the State of Texas and shall be construed and enforced in accordance therewith (without regard to its rules respecting conflicts of Law). Buyer irrevocably submits to the jurisdiction and venue of the state and federal courts located in Harris County, State of Texas, hereby waives any objections or defenses to such forum jurisdiction and venue selection, and agrees and consents that service of process may be made upon it in any legal proceeding relating to these Terms by any means allowed under Texas or federal law. <b>No party shall have the right to litigate, include in any lawsuit, or otherwise present claims for any other person or entity or for any class of persons or entities, and each party waives any such rights or claims it might have.</b>
<b>QUOTATIONS</b>	Where Seller issues a quotation to place a bid, Seller's quotation is for prompt acceptance (not later than 30 days) and Seller reserves the right to modify and/or withdraw such quotation without notice. Buyer's prompt acceptance of the quotation and these Terms are material terms of the quotation and any resulting Order. In cases where freight allowance is included in the quotation, Buyer shall be liable for any rate increase and/or additional expense over the calculated allowance resulting from compliance with Buyer's shipping instructions.
<b>DELIVERY</b>	Seller will make every effort to complete delivery of Goods as indicated on an Order, but Seller shall have no responsibility or liability, and will accept no back charge, for losses or damages arising from delivery delays or failure to give notice of expected delay. Seller may terminate any Order without liability of any nature, by written notice to Buyer, in the event that the delay in delivery or performance resulting from any of the aforesaid causes shall continue for a period of longer than sixty (60) days.
<b>WARRANTY</b>	Seller warrants Goods of its own manufacture for one (1) calendar year from the date of shipment shall conform to the material and technical specifications set forth in the Order. Goods manufactured by others are sold "as is" except to the extent the manufacturer honors any applicable warranty made by the manufacturer. Secondhand goods are sold "as is". If the new Goods fail to conform with such specifications upon inspection by Seller, Seller will, at its option and as Buyer's sole remedy, either repair or replace such Goods having defects in material or workmanship with the type originally furnished. Seller shall not be liable or responsible and Seller's warranty obligations shall not apply if (A) upon inspection any defects are attributed to normal wear and tear, erosion or corrosion, improper storage, use or maintenance or use of Goods with incompatible products, (B) the defect is in any portion or part of Goods not manufactured by Seller, (C) Goods have been repaired or altered outside of Seller's factory, in any manner; (D) Goods have been subjected to misuse, negligence or accidents; or (E) Goods have been used in a manner contrary to Seller's instructions or recommendations. If (B) above is applicable, Seller will, as an accommodation to Buyer, assign to Buyer any warranties given to it by any such other manufacturers; provided, however, that the foregoing will not extend Seller's warranty to any accessory products unless otherwise agreed to in writing by Seller. If Seller's examination shall disclose to its satisfaction that the Good is defective, cannot be replaced and an adjustment is required, the amount of such adjustment shall not exceed the net line item sales price of the defective Good only and no allowance will be made for labor or expense of repairing or replacing defective Good or workmanship or damage resulting from the same. No adjustment shall be implemented unless the Good in question is returned to Seller in its originally installed condition, still connected to other components of the joint. Buyer must contact Seller as quickly as possible so Seller can assess the Good in its installed condition. No claims will be honored unless claim is made within forty-five (45) days of the defect being discovered. Where engineering design or fabrication work is supplied, Buyer's acceptance of Seller's design or of delivery of work shall relieve Seller of all further obligation for such services. <b>THIS CLAUSE CONTAINS SELLER'S SOLE WARRANTY. SELLER MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED SELLER'S AFORESTATED OBLIGATION ARE HEREBY DISCLAIMED BY SELLER AND EXCLUDED FROM THIS WARRANTY.</b> Seller neither assumes, nor authorizes any person to assume for it, any other obligation in connection with the sale of its engineering designs or Goods. Seller shall not be responsible for design errors due to inaccurate or incomplete information supplied by Buyer or its representatives. This warranty is non-transferable.
<b>LIABILITY</b>	Seller shall not be liable for any loss, damage, cost of repairs, labor costs, special, incidental or consequential damages of any kind, whether based upon warranty (except for the obligation accepted by Seller under "Warranty" above), contract or negligence, arising in connection with the design, manufacture, sale, use or repair of the Goods or of the engineering designs supplied to Buyer. <b>IN NO EVENT SHALL SELLER'S AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO ANY ORDER ISSUED PURSUANT TO ANY ORDER, WHETHER ARISING OUT OF OR RELATED TO BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE OF ANY KIND) OR OTHERWISE, EXCEED THE LINE ITEM PRICE OF THE GOOD(S) GIVING RISE TO THE CLAIM OR \$10,000 USD, WHICHEVER IS LESS.</b>

(Continued)



# General Terms and Conditions

<b>DISCLAIMER</b>	(1) PER AWWA/ANSI C110 A21.10, THE FLANGED JOINT IS GENERALLY SPECIFIED FOR ABOVE GROUND SERVICE. UNDERGROUND USE OF THE FLANGED JOINT IS GENERALLY NOT DESIRABLE DUE TO THE RIGIDITY OF THE JOINT. (2) SELLER WILL NOT PROVIDE WARRANTY FOR OR BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF GOOD DAMAGED BY PRESSURE JETTING OF ANY KIND, REGARDLESS OF AGE OR CAUSE.
<b>RETURNS</b>	Seller will not accept return of any Good(s) unless Seller's written permission has been first obtained, in which case the Goods will be credited subject to the following: (a) All material returned must, on its arrival at Seller's plant, be found to be in first-class condition; if not, cost of putting in saleable condition will be deducted from credit memoranda; (b) A handling charge deduction of twenty-five percent (25%) will be made from all credit memoranda issued for material returned; (c) Transportation charges, if not prepaid will be deducted from credit memoranda.
<b>SHIPMENTS</b>	All Goods sent out will be carefully examined, counted and packed. The cost of any special packing or special handling caused by Buyer's requirements or requests shall be added to the amount of the Order. No claim for shortages will be allowed unless made in writing within ten (10) days of receipt of a shipment. Claims for Goods damaged or lost in transit should be made on the carrier, as Seller's responsibility ceases, and title passes, on delivery to the carrier.
<b>GOODS</b>	Orders covering special, made-to-order, rush or non-standard Goods are not subject to cancellation except on such terms as Seller may specify on application.
<b>PRICES</b>	All prices and designs are subject to change without notice. All prices are F.O.B. Point of Shipment, unless otherwise stated.
<b>FORCE MAJEURE</b>	Seller shall not be responsible or liable in any way for any failure to perform due to acts of God, fire, flood, serious accidents, foreign or United States embargo, war or riot, serious shortages, unavailability or significant price increases in commodities, materials or components, labor disputes, interruption of transportation, loss of essential production services, laws, rules, regulations, instructions or acts of any U.S. or foreign governmental authority, or by any other event beyond the reasonable control of Seller or its subcontractors.
<b>TAXES</b>	The amount of any sales, excise or other taxes, if any, applicable to the Goods covered by this order, shall be added to the purchase price and shall be paid by Buyer unless Buyer provides Seller with an exemption certificate acceptable to the taxing authorities.
<b>MISCELLANEOUS</b>	Seller produces both domestic and import Goods and each are cast with country of origin. The responsibility lies with the ordering and receiving parties to determine the suitability and origin of all Goods being requested. All Goods should be installed per Seller's installation instructions. Seller's Terms always apply. Please contact Seller if either are not readily available. All Domestic fittings are compliant with the Consolidated Appropriations Act of 2014 (AIS), the Recovery and Reinvestment Act of 2009 (ARRA) and the Buy America Acts of 1983 and 1933. We offer two (2) types of Domestic restraint Goods: (1) AIS Compliant and (2) Buy American Compliant.

(1) All Goods described as AIS Compliant meet all requirements of the American Iron and Steel provision of the Consolidated Appropriations Act of 2014 (AIS), the Buy America Act of 1983 and the Buy American Act of 1933.

(2) Buy American Compliant Goods meet the original Federal Buy American Act of 1933. These Goods may include import components and this will be noted in the description of the Good.

**Pressure Cleaning Guidelines:** The Ductile Iron Pipe Research Association publishes the Installation Guide for Ductile Iron Pipe. The following language comes from Chapter 7 of the February 2012 edition of this document: "The use of pressure washing to clean the inside diameter of cement-mortar-lined iron pipe is not recommended due to the possibility of damage to the seal coat and/or cement-mortar lining. The aggressiveness of the pressure washing is dependent on water pressure, travel speed, water jets, water jet angle to the lining, distance of the water jets from the lining, diameter of pipe, type of lining application, etc. Any attempt to do so is at the sole risk of the equipment operator." Seller concurs with this position. Seller will not provide warranty for or be responsible for the repair or replacement of Good damaged by pressure jetting of any kind.


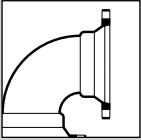
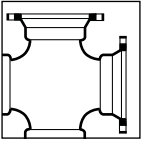
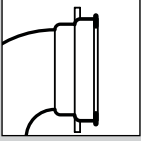
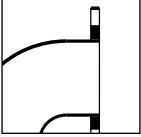
**Non-Pressure Sewer Applications:** If a mandrel test is required, or if a particular inside diameter is needed in order to accommodate CCTV equipment or some other tool, it is recommended that the installer check inside diameter compatibility by passing an object of the same size through the fitting prior to installation in order to ensure that the fitting's inside diameter is compatible with the test or inspection desired. Mandrels, CCTV equipment, testing balls, and any other object passed through the fitting shall be constructed such that it does not damage the fitting's lining when transported through it. Seller will not be responsible for buried sewer fittings that are incompatible with the aforementioned objects if that inside diameter that has not been assessed prior to installation.

STAR<sup>®</sup> PIPE PRODUCTS



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**PRODUCTS**

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	FULL BODY MJ FITTINGS ANSI/AWWA C110/A21.10  Sizes: 2" - 54"	Pg. 25 - 44
	PUSH-ON FITTINGS ANSI/AWWA C153/A21.53  Sizes: 4" - 24"	Pg. 45 - 54
	FLANGE FITTINGS ANSI/AWWA C110/A21.10  Sizes: 2" - 64"	Pg. 55 - 72

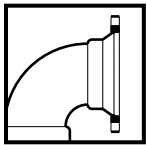
**STAR<sup>®</sup> PIPE PRODUCTS**



Certified to  
ISO 9001:2015



## IMPORT PRICE LIST



# C153 DI COMPACT MJ FITTINGS

ANSI/AWWA C153/A21.53

version: **IMP-UPL.21.03**

EFFECTIVE: JUNE 1, 2021  
(SUPERSEDES ALL PREVIOUS PRICING)

### WEST COAST (U.S.)

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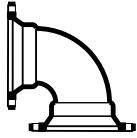
Certified to  
ISO 9001:2015

Star Pipe Products  
4018 Westhollow Parkway  
Houston, Texas 77082  
[www.starpipeproducts.com](http://www.starpipeproducts.com)

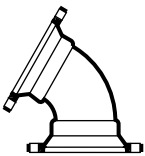
Corporate Headquarters  
800.999.3009 Toll Free  
281.558.3000 Telephone  
281.558.9000 Fax

**C153 Ductile Iron Compact Mechanical Joint Fittings****Price List  
MJ COMPACT****IMP-UPL.21.03**

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
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**90° (1/4) MJ BEND**

2	MJB9002	MJB9002U	SEE C 110 MJ		
3	MJB9003	MJB9003U	\$122.00	16	80
4	MJB9004	MJB9004U	\$132.00	25	80
6	MJB9006	MJB9006U	\$216.00	39	36
8	MJB9008	MJB9008U	\$312.00	57	18
10	MJB9010	MJB9010U	\$494.00	89	8
12	MJB9012	MJB9012U	\$665.00	108	8
14	MJB9014	MJB9014U	\$1,109.00	210	2
16	MJB9016	MJB9016U	\$1,505.00	264	2
18	MJB9018	MJB9018U	\$1,870.00	335	
20	MJB9020	MJB9020U	\$2,606.00	400	
24	MJB9024	MJB9024U	\$3,890.00	565	
30	MJB9030	MJB9030U	\$6,240.00	930	
36	MJB9036	MJB9036U	\$9,754.00	1450	
42	MJB9042	MJB9042U	\$16,725.00	2205	
48	MJB9048	MJB9048U	\$22,299.00	2990	

**60° (1/6) MJ BEND**

30	MJB6030	MJB6030U	POA		
36	MJB6036	MJB6036U	POA		
42	MJB6042	MJB6042U	POA		
48	MJB6048	MJB6048U	POA		

**45° (1/8) MJ BEND**

2	MJB4502	MJB4502U	SEE C 110 MJ		
3	MJB4503	MJB4503U	\$110.00	16	80
4	MJB4504	MJB4504U	\$110.00	22	80
6	MJB4506	MJB4506U	\$175.00	32	36
8	MJB4508	MJB4508U	\$255.00	46	27
10	MJB4510	MJB4510U	\$368.00	70	8
12	MJB4512	MJB4512U	\$550.00	86	8
14	MJB4514	MJB4514U	\$863.00	160	8
16	MJB4516	MJB4516U	\$1,076.00	202	4
18	MJB4518	MJB4518U	\$1,593.00	250	2
20	MJB4520	MJB4520U	\$1,699.00	305	
24	MJB4524	MJB4524U	\$2,581.00	405	
30	MJB4530	MJB4530U	\$5,243.00	780	
36	MJB4536	MJB4536U	\$7,665.00	1135	
42	MJB4542	MJB4542U	\$11,773.00	1610	
48	MJB4548	MJB4548U	\$15,425.00	2090	

**30° (1/12) MJ BEND**

30	MJB3030	MJB3030U	POA		
36	MJB3036	MJB3036U	POA		
42	MJB3042	MJB3042U	POA		
48	MJB3048	MJB3048U	POA		



# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

IMP-UPL.21.03

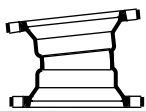
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>22 1/2° (1/16) MJ BEND</b>					
2	MJB2202	MJB2202U	\$126.00	9	
3	MJB2203	MJB2203U	\$69.00	15	50
4	MJB2204	MJB2204U	\$104.00	18	100
6	MJB2206	MJB2206U	\$159.00	31	48
8	MJB2208	MJB2208U	\$249.00	46	36
10	MJB2210	MJB2210U	\$367.00	64	12
12	MJB2212	MJB2212U	\$481.00	80	12
14	MJB2214	MJB2214U	\$874.00	136	8
16	MJB2216	MJB2216U	\$1,032.00	172	4
18	MJB2218	MJB2218U	\$1,308.00	255	2
20	MJB2220	MJB2220U	\$1,775.00	310	2
24	MJB2224	MJB2224U	\$2,383.00	412	2
30	MJB2230	MJB2230U	\$4,393.00	665	
36	MJB2236	MJB2236U	\$6,438.00	960	
42	MJB2242	MJB2242U	\$9,717.00	1350	
48	MJB2248	MJB2248U	\$12,654.00	1760	



<b>11 1/4° (1/32) MJ BEND</b>					
2	MJB1102	MJB1102U	\$154.00	8	30
3	MJB1103	MJB1103U	\$80.00	14	30
4	MJB1104	MJB1104U	\$100.00	16	50
6	MJB1106	MJB1106U	\$167.00	30	60
8	MJB1108	MJB1108U	\$226.00	42	36
10	MJB1110	MJB1110U	\$365.00	58	12
12	MJB1112	MJB1112U	\$451.00	67	12
14	MJB1114	MJB1114U	\$997.00	93	8
16	MJB1116	MJB1116U	\$1,092.00	148	4
18	MJB1118	MJB1118U	\$1,651.00	205	2
20	MJB1120	MJB1120U	\$1,672.00	245	2
24	MJB1124	MJB1124U	\$2,232.00	315	2
30	MJB1130	MJB1130U	\$4,473.00	600	
36	MJB1136	MJB1136U	\$6,112.00	820	
42	MJB1142	MJB1142U	\$9,276.00	1180	
48	MJB1148	MJB1148U	\$12,567.00	1475	



<b>5 5/8° (1/64) MJ BEND</b>					
3	MJB0503	MJB0503U	\$122.00		
4	MJB0504	MJB0504U	\$147.00	16	
6	MJB0506	MJB0506U	\$249.00	27	
8	MJB0508	MJB0508U	\$339.00	38	
10	MJB0510	MJB0510U	\$545.00	56	
12	MJB0512	MJB0512U	\$676.00	73	
14	MJB0514	MJB0514U	\$1,494.00		
16	MJB0516	MJB0516U	\$1,635.00	150	
18	MJB0518	MJB0518U	\$2,476.00		
20	MJB0520	MJB0520U	\$2,506.00	239	
24	MJB0524	MJB0524U	\$3,639.00	317	
30	MJB0530	MJB0530U	\$6,412.00	568	
36	MJB0536	MJB0536U	\$9,994.00	825	
42	MJB0542	MJB0542U	\$17,471.00	1125	
48	MJB0548	MJB0548U	\$23,292.00	1600	







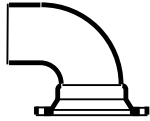
# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

## IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
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### 90° (1/4) MJ x PE BEND



3	MJBP9003	MJBP9003U	\$120.00	16	80
4	MJBP9004	MJBP9004U	\$157.00	22	32
6	MJBP9006	MJBP9006U	\$259.00	41	24
8	MJBP9008	MJBP9008U	\$368.00	58	9
10	MJBP9010	MJBP9010U	\$577.00	83	4
12	MJBP9012	MJBP9012U	\$753.00	114	4
14	MJBP9014	MJBP9014U	\$1,303.00	197	
16	MJBP9016	MJBP9016U	\$1,997.00	248	2
18	MJBP9018	MJBP9018U	\$3,570.00	325	
20	MJBP9020	MJBP9020U	\$3,994.00	390	
24	MJBP9024	MJBP9024U	\$4,287.00	575	
30	MJBP9030	MJBP9030U	\$6,908.00	865	
36	MJBP9036	MJBP9036U	\$15,551.00		
42	MJBP9042	MJBP9042U	\$15,726.00		
48	MJBP9048	MJBP9048U	\$30,113.00		

### 45° (1/8) MJ x PE BEND



3	MJBP4503	MJBP4503U	\$103.00	13	
4	MJBP4504	MJBP4504U	\$116.00	19	48
6	MJBP4506	MJBP4506U	\$196.00	34	24
8	MJBP4508	MJBP4508U	\$310.00	49	24
10	MJBP4510	MJBP4510U	\$458.00	69	12
12	MJBP4512	MJBP4512U	\$652.00	93	8
14	MJBP4514	MJBP4514U	\$1,058.00	146	
16	MJBP4516	MJBP4516U	\$1,217.00	184	2
18	MJBP4518	MJBP4518U	\$2,950.00	235	2
20	MJBP4520	MJBP4520U	\$3,000.00	290	
24	MJBP4524	MJBP4524U	\$2,908.00	390	
30	MJBP4530	MJBP4530U	\$5,713.00	715	
36	MJBP4536	MJBP4536U	\$14,190.00		
42	MJBP4542	MJBP4542U	\$14,588.00	1460	
48	MJBP4548	MJBP4548 U	\$18,425.00	2235	

### 22 1/2° (1/16) MJ x PE BEND



3	MJBP2203	MJBP2203U	\$88.00	12	
4	MJBP2204	MJBP2204U	\$119.00	18	32
6	MJBP2206	MJBP2206U	\$203.00	29	20
8	MJBP2208	MJBP2208U	\$310.00	43	20
10	MJBP2210	MJBP2210U	\$414.00	61	18
12	MJBP2212	MJBP2212U	\$547.00	79	6
14	MJBP2214	MJBP2214U	\$1,096.00	133	
16	MJBP2216	MJBP2216U	\$1,686.00	166	
18	MJBP2218	MJBP2218U	\$1,972.00	235	
20	MJBP2220	MJBP2220U	\$2,820.00	300	
24	MJBP2224	MJBP2224U	\$3,997.00	395	
30	MJBP2230	MJBP2230U	\$4,790.00	600	
36	MJBP2236	MJBP2236U	POA	865	
42	MJBP2242	MJBP2242U	POA	1200	
48	MJBP2248	MJBP2248U	POA		



# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

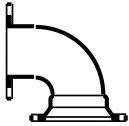
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Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>11 1/4° (1/32) MJ x PE BEND</b>					
3	MJBP1103	MJBP1103U	\$88.00	12	40
4	MJBP1104	MJBP1104U	\$115.00	17	
6	MJBP1106	MJBP1106U	\$189.00	27	60
8	MJBP1108	MJBP1108U	\$292.00	39	36
10	MJBP1110	MJBP1110U	\$368.00	52	24
12	MJBP1112	MJBP1112U	\$474.00	69	16
14	MJBP1114	MJBP1114U	\$884.00	118	
16	MJBP1116	MJBP1116U	\$1,093.00	136	
18	MJBP1118	MJBP1118U	\$1,972.00	235	
20	MJBP1120	MJBP1120U	\$2,820.00	300	
24	MJBP1124	MJBP1124U	\$3,997.00	400	
30	MJBP1130	MJBP1130U	\$10,016.00	535	
42	MJBP1142	MJBP1142U	\$19,492.00		



## 90° (1/4) MJ x FE BEND

3	MJFB9003	MJFB9003U	\$133.00	20	32
4	MJFB9004	MJFB9004U	\$151.00	26	48
6	MJFB9006	MJFB9006U	\$265.00	47	27
8	MJFB9008	MJFB9008U	\$461.00	68	12
10	MJFB9010	MJFB9010U	\$751.00	102	8
12	MJFB9012	MJFB9012U	\$1,079.00	134	4
14	MJFB9014	MJFB9014U	\$1,818.00	227	
16	MJFB9016	MJFB9016U	\$2,213.00	306	
24	MJFB9024	MJFB9024U	\$6,328.00	617	
30	MJFB9030	MJFB9030U	\$11,100.00	1014	



## 45° (1/8) MJ x FE BEND

3	MJFB4503	MJFB4503U	\$158.00	17	32
4	MJFB4504	MJFB4504U	\$164.00	26	40
6	MJFB4506	MJFB4506U	\$239.00	47	12
8	MJFB4508	MJFB4508U	\$458.00	68	12
10	MJFB4510	MJFB4510U	\$672.00	102	4
12	MJFB4512	MJFB4512U	\$1,002.00	134	4
14	MJFB4514	MJFB4514U	\$1,499.00	207	
16	MJFB4516	MJFB4516U	\$2,057.00	239	
24	MJFB4524	MJFB4524U	\$4,528.00	463	2
30	MJFB4530	MJFB4530U	\$19,803.00		



## 22 1/2° (1/16) MJ x FE BEND

3	MJFB2203	MJFB2203U	\$274.00	17	24
4	MJFB2204	MJFB2204U	\$210.00	26	32
6	MJFB2206	MJFB2206U	\$269.00	47	48
8	MJFB2208	MJFB2208U	\$414.00	68	9
10	MJFB2210	MJFB2210U	\$602.00	102	4
12	MJFB2212	MJFB2212U	\$876.00	134	4
30	MJFB2230	MJFB2230U	\$18,505.00		





# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

## IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>11 1/4° (1/32) MJ x FE BEND</b>					
4	MJFB1104	MJFB1104U	\$184.00	19	16
6	MJFB1106	MJFB1106U	\$259.00	30	18
8	MJFB1108	MJFB1108U	\$342.00	50	18
10	MJFB1110	MJFB1110U	\$577.00	75	
12	MJFB1112	MJFB1112U	\$753.00	88	6



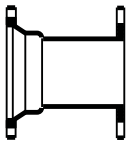
## MJ LATERAL

3x3	MJL0303	MJL0303U	\$226.00	36	30
4x2	MJL0402	MJL0403U	\$507.00		
4x3	MJL0403	MJL0403U	\$249.00	40	30
4x4	MJL0404	MJL0404U	\$282.00	51	30
6x4	MJL0604	MJL0604U	\$290.00	73	12
6x6	MJL0606	MJL0606U	\$422.00	81	6
8x4	MJL0804	MJL0804U	\$582.00	106	6
8x6	MJL0806	MJL0806U	\$489.00	114	6
8x8	MJL0808	MJL0808U	\$615.00	128	6
10x4	MJL1004	MJL1004U	\$980.00	150	4
10x6	MJL1006	MJL1006U	\$1,030.00	136	4
10x8	MJL1008	MJL1008U	\$1,121.00	170	4
10x10	MJL1010	MJL1010U	\$1,368.00	199	4
12x4	MJL1204	MJL1204U	\$1,398.00	184	2
12x6	MJL1206	MJL1206U	\$1,453.00	186	2
12x8	MJL1208	MJL1208U	\$1,560.00	188	2
12x10	MJL1210	MJL1210U	\$1,832.00	250	2
12x12	MJL1212	MJL1212U	\$1,628.00	272	2
14x06	MJL1406	MJL1406U	\$2,676.00	380	2
14x08	MJL1408	MJL1408U	\$5,547.00	300	2
14x10	MJL1410	MJL1410U	\$2,768.00		
14x14	MJL1414	MJL1414U	\$2,954.00	474	2
16x6	MJL1606	MJL1606U	\$1,968.00	300	2
16x8	MJL1608	MJL1608U	\$2,308.00	349	2
16x10	MJL1610	MJL1610U	\$4,440.00	496	2
16x12	MJL1612	MJL1612U	\$2,960.00	453	
16x16	MJL1616	MJL1616U	\$3,601.00	575	2

\*\*\* FULL BODY ONLY 18" AND HIGHER \*\*\*

## MJ x FE ADAPTER

3	MJFA03	MJFA03U	\$110.00	14	75
4	MJFA04	MJFA04U	\$126.00	21	100
6	MJFA06	MJFA06U	\$173.00	28	45
8	MJFA08	MJFA08U	\$260.00	49	45
10	MJFA10	MJFA10U	\$451.00	60	20
12	MJFA12	MJFA12U	\$577.00	99	20
14	MJFA14	MJFA14U	\$916.00	150	8
16	MJFA16	MJFA16U	\$1,046.00	186	8
18	MJFA18	MJFA18U	\$1,650.00	222	2
20	MJFA20	MJFA20U	\$1,965.00	252	2
24	MJFA24	MJFA24U	\$2,417.00	324	2
30	MJFA30	MJFA30U	\$4,449.00	544	
36	MJFA36	MJFA36U	\$6,373.00	798	
42	MJFA42	MJFA42U	\$17,469.00	1214	
48	MJFA48	MJFA48U	\$20,967.00	1600	



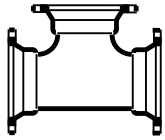


# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
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## MJ TEE

2x2	MJT0202	MJT0202U	SEE C110 MJ		
3x2	MJT0302	MJT0302U	\$292.00		
3x3	MJT0303	MJT0303U	\$163.00	28	50
4x2	MJT0402	MJT0402U	\$259.00	29	24
4x3	MJT0403	MJT0403U	\$197.00	30	16
4x4	MJT0404	MJT0404U	\$173.00	32	32
6x3	MJT0603	MJT0603U	\$238.00	42	12
6x4	MJT0604	MJT0604U	\$288.00	46	24
6x4x6	MJT060406	MJT060406U	\$694.00	60	12
6x6	MJT0606	MJT0606U	\$310.00	56	24
6x6x8	MJT060608	MJT060608U	\$608.00	75	18
8x3	MJT0803	MJT0803U	\$378.00	52	9
8x4	MJT0804	MJT0804U	\$335.00	60	18
8x6	MJT0806	MJT0806U	\$384.00	72	18
8x6x6	MJT080606	MJT080606U	\$969.00	75	9
8x6x8	MJT080608	MJT080608U	\$969.00	85	9
8x8	MJT0808	MJT0808U	\$464.00	86	18
10x3	MJT1003	MJT1003U	\$492.00	75	6
10x4	MJT1004	MJT1004U	\$511.00	78	8
10x6	MJT1006	MJT1006U	\$496.00	90	8
10x8	MJT1008	MJT1008U	\$580.00	105	12
10x10	MJT1010	MJT1010U	\$662.00	120	4
12x3	MJT1203	MJT1203U	\$670.00	90	
12x4	MJT1204	MJT1204U	\$627.00	94	8
12x6	MJT1206	MJT1206U	\$627.00	110	8
12x8	MJT1208	MJT1208U	\$721.00	125	8
12x10	MJT1210	MJT1210U	\$927.00	140	4
12x12	MJT1212	MJT1212U	\$924.00	160	4
14x6	MJT1406	MJT1406U	\$998.00	182	4
14x8	MJT1408	MJT1408U	\$1,131.00	206	4
14x10	MJT1410	MJT1410U	\$1,507.00	228	4
14x12	MJT1412	MJT1412U	\$1,619.00	234	4
14x14	MJT1414	MJT1414U	\$1,533.00	280	4
16x4	MJT1604	MJT1604U	\$2,372.00		
16x6	MJT1606	MJT1606U	\$1,287.00	228	2
16x8	MJT1608	MJT1608U	\$1,398.00	248	2
16x10	MJT1610	MJT1610U	\$1,849.00	264	2
16x12	MJT1612	MJT1612U	\$1,671.00	280	2
16x14	MJT1614	MJT1614U	\$2,281.00	316	2
16x16	MJT1616	MJT1616U	\$2,109.00	322	2
18x4	MJT1804	MJT1804U	\$3,409.00	271	4
18x6	MJT1806	MJT1806U	\$1,881.00	275	
18x8	MJT1808	MJT1808U	\$2,039.00	295	
18x10	MJT1810	MJT1810U	\$2,083.00	315	
18x12	MJT1812	MJT1812U	\$2,417.00	335	
18x14	MJT1814	MJT1814U	\$3,126.00	380	
18x16	MJT1816	MJT1816U	\$3,264.00	405	
18x18	MJT1818	MJT1818U	\$3,148.00	435	
20x6	MJT2006	MJT2006U	\$2,116.00	315	
20x8	MJT2008	MJT2008U	\$2,164.00	345	
20x10	MJT2010	MJT2010U	\$2,928.00	370	



# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

## IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
20x12	MJT2012	MJT2012U	\$2,677.00	395	
20x14	MJT2014	MJT2014U	\$3,346.00	440	
20x16	MJT2016	MJT2016U	\$2,635.00	465	
20x18	MJT2018	MJT2018U	\$4,301.00	505	
20x20	MJT2020	MJT2020U	\$2,902.00	535	
24x6	MJT2406	MJT2406U	\$2,547.00	415	
24x8	MJT2408	MJT2408U	\$2,577.00	445	
24x10	MJT2410	MJT2410U	\$3,460.00	470	
24x12	MJT2412	MJT2412U	\$2,994.00	500	
24x14	MJT2414	MJT2414U	\$4,101.00	550	
24x16	MJT2416	MJT2416U	\$3,769.00	580	
24x18	MJT2418	MJT2418U	\$4,355.00	625	
24x20	MJT2420	MJT2420U	\$4,834.00	660	
24x24	MJT2424	MJT2424U	\$4,305.00	720	
30x4	MJT3004	MJT3004U	\$6,668.00		
30x6	MJT3006	MJT3006U	\$4,324.00	742	
30x8	MJT3008	MJT3008U	\$4,880.00	739	
30x10	MJT3010	MJT3010U	\$8,613.00		
30x12	MJT3012	MJT3012U	\$5,479.00	830	
30x16	MJT3016	MJT3016U	\$6,330.00	959	
30x18	MJT3018	MJT3018U	\$9,487.00	1085	
30x20	MJT3020	MJT3020U	\$6,695.00	995	
30x24	MJT3024	MJT3024U	\$7,000.00	1060	
30x30	MJT3030	MJT3030U	\$9,024.00	1323	
36x6	MJT3606	MJT3606U	\$8,783.00	1000	
36x8	MJT3608	MJT3608U	\$8,387.00	1050	
36x10	MJT3610	MJT3610U	\$7,283.00		
36x12	MJT3612	MJT3612U	\$7,283.00	1150	
36x16	MJT3616	MJT3616U	\$7,859.00	1167	
36x18	MJT3618	MJT3618U	\$14,505.00	1505	
36x20	MJT3620	MJT3620U	\$14,505.00	1520	
36x24	MJT3624	MJT3624U	\$9,935.00	1498	
36x30	MJT3630	MJT3630U	\$11,058.00	1555	
36x36	MJT3636	MJT3636U	\$13,094.00	1900	
42x6	MJT4206	MJT4206U	\$17,384.00	1800	
42x8	MJT4208	MJT4208U	\$16,813.00		
42x12	MJT4212	MJT4212U	\$18,728.00	1950	
42x16	MJT4216	MJT4216U	\$17,368.00	2040	
42x18	MJT4218	MJT4218U	\$20,136.00	2195	
42x20	MJT4220	MJT4220U	\$20,136.00	2235	
42x24	MJT4224	MJT4224U	\$16,120.00	2270	
42x30	MJT4230	MJT4230U	\$16,416.00	2425	
42x36	MJT4236	MJT4236U	\$20,981.00	3000	
42x42	MJT4242	MJT4242U	\$22,252.00	3175	
48x6	MJT4806	MJT4806U	\$28,921.00	2155	
48x8	MJT4808	MJT4808U	\$30,211.00		
48x12	MJT4812	MJT4812U	\$21,282.00	2130	
48x16	MJT4816	MJT4816U	\$28,830.00	2650	
48x18	MJT4818	MJT4818U	\$28,830.00		
48x20	MJT4820	MJT4820U	\$28,830.00	2500	
48x24	MJT4824	MJT4824U	\$19,821.00	2870	
48x30	MJT4830	MJT4830U	\$35,212.00	3050	
48x36	MJT4836	MJT4836U	\$27,962.00	3900	
48x42	MJT4842	MJT4842U	\$35,448.00	4100	
48x48	MJT4848	MJT4848U	\$29,855.00	4250	

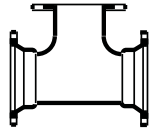
\*Weights exclude accessories



# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

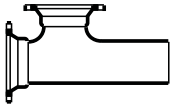
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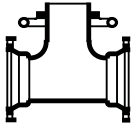
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>MJ x FE TEE</b>					
3x3	MJFT0303	MJFT0303U	\$212.00	30	40
4x3	MJFT0403	MJFT0403U	\$239.00	34	16
4x4	MJFT0404	MJFT0404U	\$226.00	40	36
6x3	MJFT0603	MJFT0603U	\$342.00	50	12
6x4	MJFT0604	MJFT0604U	\$357.00	55	24
6x6	MJFT0606	MJFT0606U	\$357.00	56	24
8x3	MJFT0803	MJFT0803U	\$649.00		
8x4	MJFT0804	MJFT0804U	\$416.00	75	18
8x6	MJFT0806	MJFT0806U	\$431.00	80	18
8x8	MJFT0808	MJFT0808U	\$550.00	85	12
10x4	MJFT1004	MJFT1004U	\$590.00	90	6
10x6	MJFT1006	MJFT1006U	\$734.00	100	8
10x8	MJFT1008	MJFT1008U	\$790.00	105	6
10x10	MJFT1010	MJFT1010U	\$1,005.00	125	4
12x4	MJFT1204	MJFT1204U	\$782.00	118	8
12x6	MJFT1206	MJFT1206U	\$825.00	120	8
12x8	MJFT1208	MJFT1208U	\$916.00	130	8
12x10	MJFT1210	MJFT1210U	\$1,046.00	150	4
12x12	MJFT1212	MJFT1212U	\$1,313.00	170	4
14x6	MJFT1406	MJFT1406U	\$1,336.00	205	4
14x8	MJFT1408	MJFT1408U	POA	225	
14x10	MJFT1410	MJFT1410U	\$1,916.00	244	4
14x12	MJFT1412	MJFT1412U	\$2,080.00	284	4
14x14	MJFT1414	MJFT1414U	\$2,233.00	305	
16x6	MJFT1606	MJFT1606U	\$1,507.00	213	2
16x8	MJFT1608	MJFT1608U	\$1,828.00	260	2
16x10	MJFT1610	MJFT1610U	\$2,179.00	287	
16x12	MJFT1612	MJFT1612U	\$2,246.00	312	2
16x14	MJFT1614	MJFT1614U	POA	348	
16x16	MJFT1616	MJFT1616U	\$3,103.00	374	2
18x6	MJFT1806	MJFT1806U	\$1,902.00	261	
18x8	MJFT1808	MJFT1808U	\$2,478.00	351	
18x12	MJFT1812	MJFT1812U	POA	358	
18x16	MJFT1816	MJFT1816U	POA	557	2
18x18	MJFT1818	MJFT1818U	\$8,425.00	445	
20x6	MJFT2006	MJFT2006U	\$2,649.00	345	
20x8	MJFT2008	MJFT2008U	\$6,396.00	339	
20x10	MJFT2010	MJFT2010U	POA	369	
24x6	MJFT2406	MJFT2406U	\$3,028.00	460	
24x8	MJFT2408	MJFT2408U	\$3,521.00	472	
24x10	MJFT2410	MJFT2410U	\$6,647.00	589	2
24x12	MJFT2412	MJFT2412U	\$4,266.00	580	
24x16	MJFT2416	MJFT2416U	\$5,366.00	744	
24x24	MJFT2424	MJFT2424U	\$6,879.00	923	
30x6	MJFT3006	MJFT3006U	\$6,427.00	805	
30x8	MJFT3008	MJFT3008U	POA	695	
30x12	MJFT3012	MJFT3012U	\$8,599.00	715	
30x16	MJFT3016	MJFT3016U	POA	1187	
36x6	MJFT3606	MJFT3606U	\$11,256.00	1175	
36x12	MJFT3612	MJFT3612U	\$11,592.00		
36x16	MJFT3616	MJFT3616U	POA	1475	
36x24	MJFT3624	MJFT3624U	\$22,068.00		
42x12	MJFT4212	MJFT4212U	\$24,888.00		
42x30	MJFT4230	MJFT4230U	\$27,056.00		

**C153 Ductile Iron Compact Mechanical Joint Fittings****Price List  
MJ COMPACT****IMP-UPL.21.03**

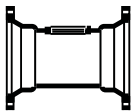
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>MJ x PE x MJ TEE</b>					
6	MJPT0606	MJPT0606U	\$356.00	57	
8x6	MJPT0806	MJPT0806U	\$470.00	69	
8	MJPT0808	MJPT0808U	\$539.00	78	9
10	MJPT1010	MJPT1010U	\$820.00	120	
12	MJPT1212	MJPT1212U	\$1,229.00		

**MJ x SWIVEL HYDRANT TEE (W/SWIVEL GLAND)**

6x6	MJTH0606	MJTH0606U	\$357.00	65	24
8x6	MJTH0806	MJTH0806U	\$447.00	85	16
8x8	MJTH0808	MJTH0808U	\$676.00	100	16
10x6	MJTH1006	MJTH1006U	\$566.00	105	8
10x8	MJTH1008	MJTH1008U	\$751.00	118	4
12x6	MJTH1206	MJTH1206U	\$643.00	126	8
12x8	MJTH1208	MJTH1208U	\$961.00	128	4
14x6	MJTH1406	MJTH1406U	\$1,515.00	211	2
16x6	MJTH1606	MJTH1606U	\$1,143.00	279	2
16x8	MJTH1608	MJTH1608U	\$2,976.00	298	4
18x6	MJTH1806	MJTH1806U	\$2,047.00	278	
20x6	MJTH2006	MJTH2006U	\$2,031.00	358	
24x6	MJTH2406	MJTH2406U	\$2,940.00	460	
30x6	MJTH3006	MJTH3006U	\$9,922.00		
36x6	MJTH3606	MJTH3606U	\$10,682.00		

**MJ TEE TAPPED (2" TAP)**

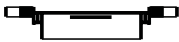
3	MJT0303T	MJT0303TU	\$199.00	18	50
4	MJT0404T	MJT0404TU	\$223.00	25	48
6	MJT0606T	MJT0606TU	\$260.00	35	9
8	MJT0808T	MJT0808TU	\$432.00	55	8
10	MJT1010T	MJT1010TU	\$927.00	70	6
12	MJT1212T	MJT1212TU	\$1,163.00	85	8
16	MJT1616T	MJT1616TU	\$1,256.00	164	



The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.

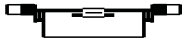
**MJ PLUG - SOLID**

2	MJP02	MJP02U	SEE C110 MJ		
3	MJP03	MJP03U	\$73.00	8	100
4	MJP04	MJP04U	\$62.00	10	100
6	MJP06	MJP06U	\$116.00	16	120
8	MJP08	MJP08U	\$171.00	26	99
10	MJP10	MJP10U	\$298.00	36	36
12	MJP12	MJP12U	\$294.00	46	40
14	MJP14	MJP14U	\$607.00	75	16
16	MJP16	MJP16U	\$774.00	95	10
18	MJP18	MJP18U	\$991.00	121	4
20	MJP20	MJP20U	\$1,302.00	135	4
24	MJP24	MJP24U	\$1,806.00	175	4
30	MJP30	MJP30U	\$3,581.00	355	
36	MJP36	MJP36U	\$5,529.00	688	
42	MJP42	MJP42U	\$7,670.00	1067	
48	MJP48	MJP48U	\$10,224.00	1313	



**C153 Ductile Iron Compact Mechanical Joint Fittings****Price List  
MJ COMPACT****IMP-UPL.21.03**

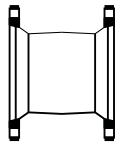
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>MJ PLUG - TAPPED (2" TAP)</b>					
2	MJP02T	MJP02TU	SEE C 110 MJ		
3	MJP03T	MJP03TU	\$122.00	8	100
4	MJP04T	MJP04TU	\$114.00	10	100
6	MJP06T	MJP06TU	\$167.00	20	120
8	MJP08T	MJP08TU	\$223.00	30	99
10	MJP10T	MJP10TU	\$350.00	40	36
12	MJP12T	MJP12TU	\$344.00	50	24
14	MJP14T	MJP14TU	\$688.00	77	16
16	MJP16T	MJP16TU	\$857.00	101	10
18	MJP18T	MJP18TU	\$1,099.00	130	4
20	MJP20T	MJP20TU	\$1,410.00	153	4
24	MJP24T	MJP24TU	\$1,911.00	202	4
30	MJP30T	MJP30TU	\$3,740.00	433	
36	MJP36T	MJP36TU	\$5,690.00	674	
42	MJP42T	MJP42TU	\$7,884.00	1067	
48	MJP48T	MJP48TU	\$10,436.00	1313	



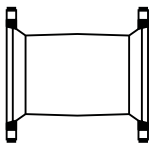
The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.

**MJ SOLID SLEEVE SHORT**

3	MJSS03	MJSS03U	\$88.00	12	48
4	MJSS04	MJSS04U	\$83.00	15	100
6	MJSS06	MJSS06U	\$147.00	23	48
8	MJSS08	MJSS08U	\$190.00	31	36
10	MJSS10	MJSS10U	\$342.00	45	12
12	MJSS12	MJSS12U	\$384.00	57	20
14	MJSS14	MJSS14U	\$721.00	94	6
16	MJSS16	MJSS16U	\$896.00	118	6
18	MJSS18	MJSS18U	\$1,170.00	145	2
20	MJSS20	MJSS20U	\$1,431.00	173	2
24	MJSS24	MJSS24U	\$1,893.00	226	2
30	MJSS30	MJSS30U	\$3,892.00	472	2
36	MJSS36	MJSS36U	\$5,282.00	673	
42	MJSS42	MJSS42U	\$7,513.00	877	
48	MJSS48	MJSS48U	\$9,389.00	1136	2

**MJ SOLID SLEEVE LONG**

2	MJSL02	MJSL02U	\$136.00	7	50
3	MJSL03	MJSL03U	\$103.00	17	50
4	MJSL04	MJSL04U	\$117.00	22	75
6	MJSL06	MJSL06U	\$196.00	29	48
8	MJSL08	MJSL08U	\$315.00	45	27
10	MJSL10	MJSL10U	\$377.00	61	27
12	MJSL12	MJSL12U	\$507.00	79	18
14	MJSL14	MJSL14U	\$766.00	128	8
16	MJSL16	MJSL16U	\$969.00	159	8
18	MJSL18	MJSL18U	\$1,278.00	200	2
20	MJSL20	MJSL20U	\$1,543.00	236	2
24	MJSL24	MJSL24U	\$2,031.00	306	2
30	MJSL30	MJSL30U	\$4,253.00	634	



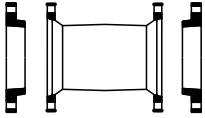
\*Weights exclude accessories

Certified to  
ISO 9001:2015

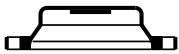


**C153 Ductile Iron Compact Mechanical Joint Fittings****Price List  
MJ COMPACT****IMP-UPL.21.03**

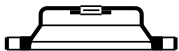
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
36	MJSL36	MJSL36U	\$5,970.00	889	
42	MJSL42	MJSL42U	\$7,983.00	1165	
48	MJSL48	MJSL48U	\$11,213.00	1482	

**MJ DUAL PURPOSE SLEEVE**

Size (inches)	Item Code	Item Code	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
4	MJSDP04	MJSDP04U	POA	38	25
6	MJSDP06	MJSDP06U	POA	60	48
8	MJSDP08	MJSDP08U	POA	76	27
10	MJSDP10	MJSDP10U	POA	104	9
12	MJSDP12	MJSDP12U	POA	127	8
16	MJSDP16	MJSDP16U	POA	270	2

**MJ CAP - SOLID**

Size (inches)	Item Code	Item Code	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
2	MJC02	MJC02U	SEE C 110 MJ		
3	MJC03	MJC03U	\$48.00	8	100
4	MJC04	MJC04U	\$50.00	9	300
6	MJC06	MJC06U	\$88.00	15	132
8	MJC08	MJC08U	\$144.00	22	99
10	MJC10	MJC10U	\$180.00	32	54
12	MJC12	MJC12U	\$269.00	42	52
14	MJC14	MJC14U	\$404.00	66	16
16	MJC16	MJC16U	\$540.00	92	16
18	MJC18	MJC18U	\$681.00	114	8
20	MJC20	MJC20U	\$881.00	125	6
24	MJC24	MJC24U	\$1,210.00	166	6
30	MJC30	MJC30U	\$2,758.00	345	
36	MJC36	MJC36U	\$5,018.00	628	
42	MJC42	MJC42U	\$7,604.00	893	
48	MJC48	MJC48U	\$9,165.00	1076	

**MJ CAP - TAPPED (2" TAP)**

Size (inches)	Item Code	Item Code	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
2	MJC02T	MJC02TU	SEE C 110 MJ		
3	MJC03T	MJC03TU	\$101.00	8	100
4	MJC04T	MJC04TU	\$103.00	12	300
6	MJC06T	MJC06TU	\$141.00	15	132
8	MJC08T	MJC08TU	\$196.00	25	99
10	MJC10T	MJC10TU	\$232.00	35	54
12	MJC12T	MJC12TU	\$322.00	45	52
14	MJC14T	MJC14TU	\$486.00	72	16
16	MJC16T	MJC16TU	\$622.00	98	20
18	MJC18T	MJC18TU	\$789.00	122	8
20	MJC20T	MJC20TU	\$988.00	148	8
24	MJC24T	MJC24TU	\$1,315.00	202	8
30	MJC30T	MJC30TU	\$2,917.00	385	
36	MJC36T	MJC36TU	\$5,174.00	614	
42	MJC42T	MJC42TU	\$7,817.00	893	
48	MJC48T	MJC48TU	\$9,377.00	1076	

The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.



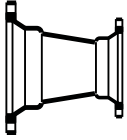
# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
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## MJ REDUCER



3x2	MJR0302	MJR0302U	SEE C110 MJ		
4x2	MJR0402	MJR0402U	SEE C110 MJ		
4x3	MJR0403	MJR0403U	\$114.00	18	80
6x2	MJR0602	MJR0602U	\$206.00		
6x3	MJR0603	MJR0603U	\$149.00	22	32
6x4	MJR0604	MJR0604U	\$126.00	24	64
8x3	MJR0803	MJR0803U	\$223.00	30	48
8x4	MJR0804	MJR0804U	\$171.00	32	36
8x6	MJR0806	MJR0806U	\$183.00	36	36
10x4	MJR1004	MJR1004U	\$277.00	46	9
10x6	MJR1006	MJR1006U	\$234.00	47	27
10x8	MJR1008	MJR1008U	\$258.00	50	18
12x4	MJR1204	MJR1204U	\$352.00	58	4
12x6	MJR1206	MJR1206U	\$309.00	58	8
12x8	MJR1208	MJR1208U	\$315.00	57	12
12x10	MJR1210	MJR1210U	\$350.00	61	12
14x6	MJR1406	MJR1406U	\$731.00	100	4
14x8	MJR1408	MJR1408U	\$731.00	100	4
14x10	MJR1410	MJR1410U	\$550.00	100	4
14x12	MJR1412	MJR1412U	\$550.00	100	4
16x6	MJR1606	MJR1606U	\$800.00	124	4
16x8	MJR1608	MJR1608U	\$768.00	124	4
16x10	MJR1610	MJR1610U	\$740.00	124	4
16x12	MJR1612	MJR1612U	\$714.00	112	4
16x14	MJR1614	MJR1614U	\$906.00	140	4
18x4	MJR1804	MJR1804U	\$1,822.00	152	4
18x8	MJR1808	MJR1808U	\$1,195.00	190	2
18x10	MJR1810	MJR1810U	\$1,128.00	195	2
18x12	MJR1812	MJR1812U	\$1,099.00	180	
18x14	MJR1814	MJR1814U	\$1,494.00	190	
18x16	MJR1816	MJR1816U	\$1,165.00	195	
20x6	MJR2006	MJR2006U	\$2,746.00	232	4
20x8	MJR2008	MJR2008U	\$1,390.00	227	
20x10	MJR2010	MJR2010U	\$1,584.00	220	
20x12	MJR2012	MJR2012U	\$1,222.00	205	
20x14	MJR2014	MJR2014U	\$1,216.00	200	
20x16	MJR2016	MJR2016U	\$1,128.00	200	
20x18	MJR2018	MJR2018U	\$1,520.00	225	
24x8	MJR2408	MJR2408U	\$3,258.00	263	
24x10	MJR2410	MJR2410U	\$3,802.00	305	2
24x12	MJR2412	MJR2412U	\$1,869.00	305	
24x14	MJR2414	MJR2414U	\$4,181.00	310	
24x16	MJR2416	MJR2416U	\$1,940.00	320	
24x18	MJR2418	MJR2418U	\$1,855.00	305	
24x20	MJR2420	MJR2420U	\$2,299.00	300	
30x12	MJR3012	MJR3012U	\$6,811.00	705	
30x16	MJR3016	MJR3016U	\$4,212.00	633	
30x18	MJR3018	MJR3018U	\$4,368.00	658	
30x20	MJR3020	MJR3020U	\$4,133.00	628	
30x24	MJR3024	MJR3024U	\$3,158.00	478	
36x12	MJR3612	MJR3612U	\$8,703.00	1037	
36x16	MJR3616	MJR3616U	\$5,211.00	1078	

\*Weights exclude accessories



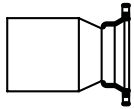
# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

## IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
36x18	MJR3618	MJR3618U	\$10,612.00	1329	
36x20	MJR3620	MJR3620U	\$6,403.00	975	
36x24	MJR3624	MJR3624U	\$5,084.00	770	
36x30	MJR3630	MJR3630U	\$5,529.00	650	
42x16	MJR4216	MJR4216U	POA		
42x18	MJR4218	MJR4218U	POA		
42x20	MJR4220	MJR4220U	\$8,364.00		
42x24	MJR4224	MJR4224U	\$9,527.00	1356	
42x30	MJR4230	MJR4230U	\$7,500.00	1083	
42x36	MJR4236	MJR4236U	\$7,838.00	1114	
48x16	MJR4816	MJR4816U	POA		
48x18	MJR4818	MJR4818U	POA		
48x20	MJR4820	MJR4820U	\$10,533.00		
48x24	MJR4824	MJR4824U	\$10,795.00	1700	
48x30	MJR4830	MJR4830U	\$13,010.00	1779	
48x36	MJR4836	MJR4836U	\$11,463.00	1641	
48x42	MJR4842	MJR4842U	\$12,654.00	1426	

## MJ SMALL END BELL (SEB) REDUCER



Size	Item Code	Item Code	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
3x2	MJRS0302	MJRS0302U	SEE C110 MJ		
4x2	MJRS0402	MJRS0402U	\$256.00	29	36
4x3	MJRS0403	MJRS0403U	\$104.00	17	32
6x3	MJRS0603	MJRS0603U	\$179.00	24	16
6x4	MJRS0604	MJRS0604U	\$130.00	25	50
8x4	MJRS0804	MJRS0804U	\$217.00	30	9
8x6	MJRS0806	MJRS0806U	\$197.00	35	24
10x4	MJRS1004	MJRS1004U	\$290.00	43	4
10x6	MJRS1006	MJRS1006U	\$303.00	46	4
10x8	MJRS1008	MJRS1008U	\$324.00	42	12
12x4	MJRS1204	MJRS1204U	\$414.00	60	4
12x6	MJRS1206	MJRS1206U	\$432.00	58	6
12x8	MJRS1208	MJRS1208U	\$339.00	54	6
12x10	MJRS1210	MJRS1210U	\$409.00	59	6
14x6	MJRS1406	MJRS1406U	\$951.00	100	
14x8	MJRS1408	MJRS1408U	\$1,208.00	98	
14x10	MJRS1410	MJRS1410U	POA	94	4
14x12	MJRS1412	MJRS1412U	\$1,202.00	90	4
16x6	MJRS1606	MJRS1606U	\$907.00	125	4
16x8	MJRS1608	MJRS1608U	\$887.00	121	4
16x10	MJRS1610	MJRS1610U	\$898.00	105	4
16x12	MJRS1612	MJRS1612U	\$821.00	109	4
16x14	MJRS1614	MJRS1614U	POA	126	4
18x8	MJRS1808	MJRS1808U	\$1,684.00	170	
18x10	MJRS1810	MJRS1810U	POA	165	
18x12	MJRS1812	MJRS1812U	\$1,120.00	150	
18x14	MJRS1814	MJRS1814U	POA	175	
18x16	MJRS1816	MJRS1816U	\$1,930.00	170	
20x8	MJRS2008	MJRS2008U	\$2,612.00		
20x10	MJRS2010	MJRS2010U	\$1,694.00	200	
20x12	MJRS2012	MJRS2012U	\$1,270.00	170	
20x14	MJRS2014	MJRS2014U	\$1,459.00	190	
20x16	MJRS2016	MJRS2016U	\$1,383.00	185	
20x18	MJRS2018	MJRS2018U	POA	200	
24x8	MJRS2408	MJRS2408U	\$3,016.00		

\*Weights exclude accessories



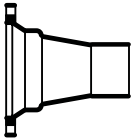
# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

## IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
24x12	MJRS2412	MJRS2412U	\$2,053.00	275	
24x14	MJRS2414	MJRS2414U	POA	310	
24x16	MJRS2416	MJRS2416U	\$2,128.00	285	
24x18	MJRS2418	MJRS2418U	\$2,403.00	300	
24x20	MJRS2420	MJRS2420U	\$2,299.00	270	
30x16	MJRS3016	MJRS3016U	\$4,579.00	565	
30x18	MJRS3018	MJRS3018U	POA	590	
30x20	MJRS3020	MJRS3020U	\$4,714.00	560	
30x24	MJRS3024	MJRS3024U	\$5,657.00	495	
36x16	MJRS3616	MJRS3616U	\$7,928.00	620	
36x20	MJRS3620	MJRS3620U	\$6,866.00	874	
36x24	MJRS3624	MJRS3624U	\$5,957.00	746	
36x30	MJRS3630	MJRS3630U	\$6,674.00	725	
42x24	MJRS4224	MJRS4224U	\$10,251.00	1204	
42x30	MJRS4230	MJRS4230U	\$7,928.00	931	
42x36	MJRS4236	MJRS4236U	\$8,711.00	962	
48x30	MJRS4830	MJRS4830U	\$16,451.00		
48x42	MJRS4842	MJRS4842U	\$17,516.00		

## MJ LARGE END BELL (LEB) REDUCER



4x3	MJRL0403	MJRL0403U	\$120.00	18	40
6x3	MJRL0603	MJRL0603U	\$171.00	19	30
6x4	MJRL0604	MJRL0604U	\$197.00	25	30
8x4	MJRL0804	MJRL0804U	\$223.00	34	27
8x6	MJRL0806	MJRL0806U	\$180.00	32	27
10x4	MJRL1004	MJRL1004U	\$292.00	43	
10x6	MJRL1006	MJRL1006U	\$303.00	42	4
10x8	MJRL1008	MJRL1008U	\$329.00	50	4
12x4	MJRL1204	MJRL1204U	\$499.00	60	4
12x6	MJRL1206	MJRL1206U	\$401.00	58	4
12x8	MJRL1208	MJRL1208U	\$414.00	55	4
12x10	MJRL1210	MJRL1210U	\$427.00	59	4
14x6	MJRL1406	MJRL1406U	\$731.00	104	
14x8	MJRL1408	MJRL1408U	\$731.00	98	
14x10	MJRL1410	MJRL1410U	\$550.00	92	8
14x12	MJRL1412	MJRL1412U	\$667.00	92	
16x6	MJRL1606	MJRL1606U	\$986.00	136	4
16x8	MJRL1608	MJRL1608U	\$1,046.00	128	4
16x10	MJRL1610	MJRL1610U	\$907.00	123	4
16x12	MJRL1612	MJRL1612U	\$718.00	108	4
16x14	MJRL1614	MJRL1614U	\$957.00	132	4
18x8	MJRL1808	MJRL1808U	\$1,195.00	195	
18x10	MJRL1810	MJRL1810U	POA	185	
18x12	MJRL1812	MJRL1812U	\$1,308.00	175	
18x14	MJRL1814	MJRL1814U	\$1,494.00	190	
18x16	MJRL1816	MJRL1816U	\$1,435.00	190	
20x10	MJRL2010	MJRL2010U	\$1,569.00	210	
20x12	MJRL2012	MJRL2012U	\$2,164.00	205	
20x14	MJRL2014	MJRL2014U	\$1,216.00	205	
20x16	MJRL2016	MJRL2016U	\$1,128.00	200	
20x18	MJRL2018	MJRL2018U	POA	215	
24x12	MJRL2412	MJRL2412U	\$2,164.00	290	
24x14	MJRL2414	MJRL2414U	\$4,181.00	315	
24x16	MJRL2416	MJRL2416U	\$2,197.00	285	

\*Weights exclude accessories



# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

## IMP-UPL.21.03

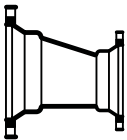
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
24x18	MJRL2418	MJRL2418U	\$1,855.00		
24x20	MJRL2420	MJRL2420U	\$4,462.00	275	2
30x18	MJRL3018	MJRL3018U	\$4,368.00		
30x24	MJRL3024	MJRL3024U	\$5,759.00	526	1
36x24	MJRL3624	MJRL3624U	\$8,005.00	810	1
36x30	MJRL3630	MJRL3630U	\$5,529.00		
42x30	MJRL4230	MJRL4230U	\$7,500.00		
42x36	MJRL4236	MJRL4236U	POA	1013	
48x30	MJRL4830	MJRL4830U	\$16,152.00		
48x36	MJRL4836	MJRL4836U	\$17,307.00		

## PE x PE REDUCER



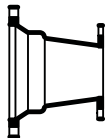
4x3	MJRP0403	MJRP0403U	\$100.00	14	30
6x3	MJRP0603	MJRP0603U	\$157.00	19	
6x4	MJRP0604	MJRP0604U	\$152.00	22	25
8x4	MJRP0804	MJRP0804U	\$226.00	30	16
8x6	MJRP0806	MJRP0806U	\$238.00	30	16
10x4	MJRP1004	MJRP1004U	\$502.00		
10x6	MJRP1006	MJRP1006U	\$312.00	46	9
10x8	MJRP1008	MJRP1008U	\$322.00	47	9
12x4	MJRP1204	MJRP1204U	\$394.00	58	9
12x6	MJRP1206	MJRP1206U	\$394.00	57	9
12x8	MJRP1208	MJRP1208U	\$405.00	54	9
12x10	MJRP1210	MJRP1210U	\$367.00	54	9
14x12	MJRP1412	MJRP1412U	\$603.00	88	
16x6	MJRP1606	MJRP1606U	\$676.00	93	
16x8	MJRP1608	MJRP1608U	\$877.00	119	
16x10	MJRP1610	MJRP1610U	\$863.00	119	
16x12	MJRP1612	MJRP1612U	\$719.00	99	
16x14	MJRP1614	MJRP1614U	\$1,142.00	129	
18x10	MJRP1810	MJRP1810U	\$2,655.00	160	
18x12	MJRP1812	MJRP1812U	\$996.00	150	
20x12	MJRP2012	MJRP2012U	\$2,468.00	190	2
20x16	MJRP2016	MJRP2016U	\$2,511.00	170	2
24x8	MJRP2408	MJRP2408U	\$2,253.00	173	2
24x20	MJRP2420	MJRP2420U	\$2,462.00	240	2
30x16	MJRP3016	MJRP3016U	\$10,240.00	555	

## MJ x MJ ECCENTRIC REDUCER



20x18	MJER2018	MJER2018U	POA	235	
36x30	MJER3630	MJER3630U	POA	650	
42x36	MJER4236	MJER4236U	POA	1114	
48x30	MJER4830	MJER4830U	POA	1779	

## MJ x FE REDUCER



4x3	MJFR0403	MJFR0403U	POA	17	32
6x4	MJFR0604	MJFR0604U	POA	23	32
8x6	MJFR0806	MJFR0806U	POA	34	18
10x8	MJFR1008	MJFR1008U	POA	63	24
12x6	MJFR1206	MJFR1206U	POA	71	24
12x8	MJFR1208	MJFR1208U	POA	58	12
18x8	MJFR1808	MJFR1808U	POA	190	2
18x12	MJFR1812	MJFR1812U	POA	198	
24x12	MJFR2412	MJFR2412U	POA	318	2



\*Weights exclude accessories

Certified to  
ISO 9001:2015

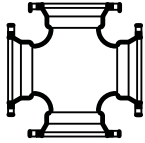


# C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

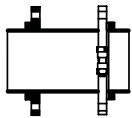
IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>MJ CROSS</b>					
3x3	MJX0303	MJX0303U	\$218.00	35	12
4x3	MJX0403	MJX0403U	\$259.00	49	12
4x4	MJX0404	MJX0404U	\$368.00	40	12
6x4	MJX0604	MJX0604U	\$403.00	70	6
6x6	MJX0606	MJX0606U	\$451.00	75	12
8x4	MJX0804	MJX0804U	\$635.00	97	6
8x6	MJX0806	MJX0806U	\$468.00	103	12
8x8	MJX0808	MJX0808U	\$492.00	105	12
10x4	MJX1004	MJX1004U	\$622.00	120	4
10x6	MJX1006	MJX1006U	\$603.00	125	4
10x8	MJX1008	MJX1008U	\$747.00	130	8
10x10	MJX1010	MJX1010U	\$788.00	145	8
12x4	MJX1204	MJX1204U	\$772.00	123	4
12x6	MJX1206	MJX1206U	\$761.00	159	8
12x8	MJX1208	MJX1208U	\$874.00	165	8
12x10	MJX1210	MJX1210U	\$1,381.00	187	4
12x12	MJX1212	MJX1212U	\$1,381.00	213	4
14x6	MJX1406	MJX1406U	\$1,374.00	210	2
14x8	MJX1408	MJX1408U	\$1,555.00	231	
14x10	MJX1410	MJX1410U	POA	255	
14x12	MJX1412	MJX1412U	\$2,795.00	269	
14x14	MJX1414	MJX1414U	\$2,421.00	299	4
16x6	MJX1606	MJX1606U	\$1,652.00	250	2
16x8	MJX1608	MJX1608U	\$1,911.00	264	2
16x10	MJX1610	MJX1610U	\$2,494.00	286	
16x12	MJX1612	MJX1612U	\$2,624.00	310	2
16x14	MJX1614	MJX1614U	POA	395	2
16x16	MJX1616	MJX1616U	\$3,817.00	385	2
18x6	MJX1806	MJX1806U	\$4,832.00	386	2
18x10	MJX1810	MJX1810U	\$5,804.00		
18x12	MJX1812	MJX1812U	\$4,783.00	437	
18x18	MJX1818	MJX1818U	\$4,897.00	657	
20x6	MJX2006	MJX2006U	\$4,305.00	285	2
20x8	MJX2008	MJX2008U	\$3,281.00	440	
20x10	MJX2010	MJX2010U	\$4,031.00		
20x12	MJX2012	MJX2012U	\$3,082.00	558	
20x16	MJX2016	MJX2016U	\$5,067.00		
20x18	MJX2018	MJX2018U	\$5,203.00	698	
20x20	MJX2020	MJX2020U	\$7,072.00	798	
24x6	MJX2406	MJX2406U	\$3,587.00	481	
24x8	MJX2408	MJX2408U	\$3,727.00	500	
24x10	MJX2410	MJX2410U	\$7,235.00		
24x12	MJX2412	MJX2412U	\$4,623.00	620	
24x16	MJX2416	MJX2416U	\$5,366.00	720	
24x18	MJX2418	MJX2418U	\$6,469.00	868	
24x20	MJX2420	MJX2420U	\$7,556.00	1014	
24x24	MJX2424	MJX2424U	\$6,694.00	1038	
30x6	MJX3006	MJX3006U	\$10,262.00		
30x8	MJX3008	MJX3008U	\$9,950.00		
30x12	MJX3012	MJX3012U	\$9,032.00	1130	
30x16	MJX3016	MJX3016U	\$15,328.00	866	1
30x24	MJX3024	MJX3024U	\$15,328.00	1640	

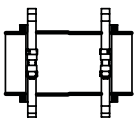


**C153 Ductile Iron Compact Mechanical Joint Fittings**Price List  
**MJ COMPACT****IMP-UPL.21.03**

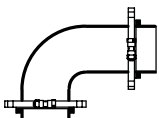
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
30x30	MJX3030	MJX3030U	\$14,687.00	1840	
36x24	MJX3624	MJX3624U	\$20,136.00	1955	
36x36	MJX3636	MJX3636U	\$21,193.00	2655	
42x12	MJX4212	MJX4212U	\$18,053.00		
42x16	MJX4216	MJX4216U	\$19,193.00		
42x24	MJX4224	MJX4224U	\$20,998.00		
42x30	MJX4230	MJX4230U	\$36,696.00		
42x36	MJX4236	MJX4236U	\$42,030.00	3375	
42x42	MJX4242	MJX4242U	\$47,565.00		
48x12	MJX4812	MJX4812U	\$26,842.00		
48x16	MJX4816	MJX4816U	\$28,500.00		
48x24	MJX4824	MJX4824U	\$42,905.00	3670	
48x30	MJX4830	MJX4830U	\$44,481.00	4506	
48x36	MJX4836	MJX4836U	\$44,415.00	4700	
48x42	MJX4842	MJX4842U	\$44,415.00		
48x48	MJX4848	MJX4848U	\$42,181.00		

**MJ SWIVEL x SOLID HYDRANT ADAPTER (W/ SWIVEL GLAND)**

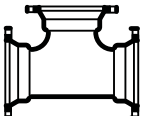
4x13	MJHA0413	MJHA0413U	\$200.00	29	18
6x13	MJHA0613	MJHA0613U	\$352.00	47	36
6x18	MJHA0618	MJHA0618U	\$388.00	56	12
6x24	MJHA0624	MJHA0624U	\$524.00	60	16
6x36	MJHA0636	MJHA0636U	\$665.00	75	6
6x48	MJHA0648	MJHA0648U	\$873.00	94	12
8x13	MJHA0813	MJHA0813U	\$451.00	54	18
8x18	MJHA0818	MJHA0818U	POA	67	
8x24	MJHA0824	MJHA0824U	POA	82	
8x48	MJHA0848	MJHA0848U	POA	143	
10x13	MJHA1013	MJHA1013U	\$801.00	86	12
12x13	MJHA1213	MJHA1213U	\$1,187.00	120	8

**SWIVEL x SWIVEL HYDRANT ADAPTER (WITH 2 SWIVEL GLANDS)**

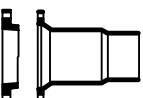
6x12	HHA0612	HHA0612U	POA	28	
6x13	HHA0613	HHA0613U	\$312.00	28	48
6x18	HHA0618	HHA0618U	POA	49	
6x24	HHA0624	HHA0624U	\$421.00	52	
8x13	HHA0813	HHA0813U	\$451.00		

**SWIVEL x SWIVEL HYDRANT ELL (W/ 2 SWIVEL GLANDS)**

6	MJHB9006	MJHB9006U	\$411.00	50	18
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**MJ REDUCING ON RUN TEES**

6x4x6	MJT060406	MJT060406U	\$694.00	60	12
6x6x8	MJT060608	MJT060608U	\$608.00	75	18
8x6x6	MJT080606	MJT080606U	\$969.00	75	9
8x6x8	MJT080608	MJT080608U	\$969.00	85	9

**MJ x PE CUTTING IN SLEEVE WITH OVERSIZED GLAND\***

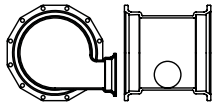
4	MJSC04	MJSC04U	POA	50	6
6	MJSC06	MJSC06U	POA	62	6
8	MJSC08	MJSC08U	POA	90	6

**C153 Ductile Iron Compact Mechanical Joint Fittings****Price List  
MJ COMPACT****IMP-UPL.21.03**

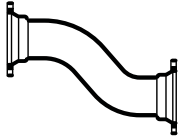
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
10	MJSC10	MJSC10U	POA	105	4
12	MJSC12	MJSC12U	POA	128	4
16	MJSC16	MJSC16U	POA	275	

**HYDRANT BURY ExTENSION**

6	HBEX06	HBEX06U	POA	50	60
12	HBEX12	HBEX12U	POA	73	36

**MJ TANGENTIAL TEE**

16x6	MJTT1606	MJTT1606U	POA	270	
16x12	MJTT1612	MJTT1612U	POA	344	
18x6	MJTT1806	MJTT1806U	POA	306	
24x6	MJTT2406	MJTT2406U	POA	375	
24x12	MJTT2412	MJTT2412U	POA	450	

**MJ x MJ OFFSET**

3x6	MJO0306	MJO0306U	\$154.00	20	
3x12	MJO0312	MJO0312U	\$224.00	40	
3x18	MJO0318	MJO0318U	\$260.00	49	
3x24	MJO0324	MJO0324U	\$310.00	55	
4x6	MJO0406	MJO0406U	\$210.00	25	12
4x12	MJO0412	MJO0412U	\$271.00	55	12
4x18	MJO0418	MJO0418U	\$365.00	65	8
4x24	MJO0424	MJO0424U	\$420.00	75	16
6x6	MJO0606	MJO0606U	\$357.00	29	12
6x12	MJO0612	MJO0612U	\$464.00	69	16
6x18	MJO0618	MJO0618U	\$568.00	87	8
6x24	MJO0624	MJO0624U	\$718.00	107	8
8x6	MJO0806	MJO0806U	\$513.00	80	4
8x12	MJO0812	MJO0812U	\$660.00	104	4
8x18	MJO0818	MJO0818U	\$823.00	135	4
8x24	MJO0824	MJO0824U	\$1,170.00	141	3
10x6	MJO1006	MJO1006U	\$734.00	110	4
10x12	MJO1012	MJO1012U	\$964.00	135	4
10x18	MJO1018	MJO1018U	\$1,149.00	165	4
10x24	MJO1024	MJO1024U	\$2,248.00	175	4
12x6	MJO1206	MJO1206U	\$1,037.00	118	4
12x12	MJO1212	MJO1212U	\$1,152.00	203	4
12x18	MJO1218	MJO1218U	\$1,393.00	230	4
12x24	MJO1224	MJO1224U	\$1,967.00	277	2
12x30	MJO1230	MJO1230U	\$1,871.00		
16x12	MJO1612	MJO1612U	\$6,321.00	305	
16x18	MJO1618	MJO1618U	\$7,474.00	362	
20x12	MJO2012	MJO2012U	\$9,324.00	437	
20x18	MJO2018	MJO2018U	\$12,395.00	581	

**MJ x PE OFFSET**

3x6	MJOP0306	MJOP0306U	\$200.00		
3x12	MJOP0312	MJOP0312U	\$265.00		
3x18	MJOP0318	MJOP0318U	\$325.00		
3x24	MJOP0324	MJOP0324U	\$362.00		
4x6	MJOP0406	MJOP0406U	\$298.00	25	12
4x12	MJOP0412	MJOP0412U	\$367.00	46	12





## C153 Ductile Iron Compact Mechanical Joint Fittings

Price List  
**MJ COMPACT**

### IMP-UPL.21.03

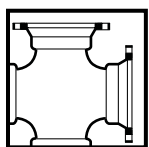
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
4x18	MJOP0418	MJOP0418U	\$443.00	59	16
4x24	MJOP0424	MJOP0424U	\$486.00	65	6
6x6	MJOP0606	MJOP0606U	\$350.00	51	12
6x12	MJOP0612	MJOP0612U	\$458.00	68	8
6x18	MJOP0618	MJOP0618U	\$647.00	97	8
6x24	MJOP0624	MJOP0624U	\$789.00	116	4
8x6	MJOP0806	MJOP0806U	\$527.00	84	4
8x12	MJOP0812	MJOP0812U	\$740.00	110	4
8x18	MJOP0818	MJOP0818U	\$834.00	124	4
8x24	MJOP0824	MJOP0824U	\$881.00	147	3
10x6	MJOP1006	MJOP1006U	\$876.00	127	6
10x12	MJOP1012	MJOP1012U	\$1,157.00	130	4
10x18	MJOP1018	MJOP1018U	\$1,269.00	160	4
10x24	MJOP1024	MJOP1024U	\$1,596.00	169	4
12x6	MJOP1206	MJOP1206U	\$1,313.00	115	4
12x12	MJOP1212	MJOP1212U	\$1,331.00	198	4
12x18	MJOP1218	MJOP1218U	\$1,815.00	270	4
12x24	MJOP1224	MJOP1224U	\$2,244.00	195	2
12x30	MJOP1230	MJOP1230U	\$1,381.00		

### MJ x SWIVEL OFFSET (W/ SWIVEL GLAND)

6x6	MJOH0606	MJOH0606U	POA	66	15
6x12	MJOH0612	MJOH0612U	POA	95	10
6x24	MJOH0624	MJOH0624U	POA	132	6



## IMPORT PRICE LIST



# C110 DI FULL BODY MJ FITTINGS

ANSI/AWWA C110/A21.10

version: **IMP-UPL.21.03**

EFFECTIVE: JUNE 1, 2021  
(SUPERSEDES ALL PREVIOUS PRICING)

### WEST COAST (U.S.)

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Fax: (951) 898-9561

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Toll Free: (888) 893-7827  
Fax: (519) 650-1553



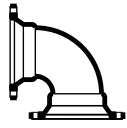
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Star Pipe Products  
4018 Westhollow Parkway  
Houston, Texas 77082  
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Corporate Headquarters  
800.999.3009 Toll Free  
281.558.3000 Telephone  
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**C110 Ductile Iron Full Body Mechanical Joint Fittings****Price List  
MJ FULL BODY**

IMP-UPL.21.03



Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>90° (1/4) MJ BEND</b>					
2	MJDB9002	MJDB9002U	\$258.00	14	36
3	MJDB9003	MJDB9003U	\$233.00	35	36
4	MJDB9004	MJDB9004U	\$294.00	55	24
6	MJDB9006	MJDB9006U	\$451.00	85	12
8	MJDB9008	MJDB9008U	\$721.00	125	12
10	MJDB9010	MJDB9010U	\$1,280.00	190	4
12	MJDB9012	MJDB9012U	\$1,400.00	255	4
14	MJDB9014	MJDB9014U	\$2,641.00	340	
16	MJDB9016	MJDB9016U	\$3,169.00	430	
18	MJDB9018	MJDB9018U	\$4,715.00	545	
20	MJDB9020	MJDB9020U	\$5,330.00	680	
24	MJDB9024	MJDB9024U	\$6,879.00	1025	
30	MJDB9030	MJDB9030U	\$12,162.00	1690	
36	MJDB9036	MJDB9036U	\$16,586.00	2475	
42	MJDB9042	MJDB9042U	\$29,030.00	3410	
48	MJDB9048	MJDB9048U	\$39,114.00	4595	



Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>45° (1/8) MJ BEND</b>					
2	MJDB4502	MJDB4502U	\$171.00		
3	MJDB4503	MJDB4503U	\$200.00	30	
4	MJDB4504	MJDB4504U	\$269.00	50	36
6	MJDB4506	MJDB4506U	\$401.00	75	12
8	MJDB4508	MJDB4508U	\$586.00	110	12
10	MJDB4510	MJDB4510U	\$930.00	155	4
12	MJDB4512	MJDB4512U	\$1,178.00	215	4
14	MJDB4514	MJDB4514U	\$1,953.00	270	
16	MJDB4516	MJDB4516U	\$2,445.00	340	
18	MJDB4518	MJDB4518U	\$3,226.00	420	
20	MJDB4520	MJDB4520U	\$3,424.00	530	
24	MJDB4524	MJDB4524U	\$4,785.00	755	
30	MJDB4530	MJDB4530U	\$9,572.00	1380	
36	MJDB4536	MJDB4536U	\$14,358.00	2095	
42	MJDB4542	MJDB4542U	\$25,156.00	2955	
48	MJDB4548	MJDB4548U	\$34,732.00	4080	



Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>22 1/2° (1/16) MJ BEND</b>					
2	MJDB2202	MJDB2202U	\$180.00		
3	MJDB2203	MJDB2203U	\$200.00	30	
4	MJDB2204	MJDB2204U	\$324.00	50	12
6	MJDB2206	MJDB2206U	\$421.00	75	12
8	MJDB2208	MJDB2208U	\$870.00	110	12
10	MJDB2210	MJDB2210U	\$1,042.00	160	4
12	MJDB2212	MJDB2212U	\$1,275.00	220	4
14	MJDB2214	MJDB2214U	\$1,988.00	275	
16	MJDB2216	MJDB2216U	\$2,494.00	345	
18	MJDB2218	MJDB2218U	\$3,207.00	430	
20	MJDB2220	MJDB2220U	\$4,190.00	535	
24	MJDB2224	MJDB2224U	\$4,684.00	765	
30	MJDB2230	MJDB2230U	\$9,225.00	1400	
36	MJDB2236	MJDB2236U	\$13,994.00	2135	
42	MJDB2242	MJDB2242U	\$25,710.00	3020	
48	MJDB2248	MJDB2248U	\$35,498.00	4170	

\*Weights exclude accessories

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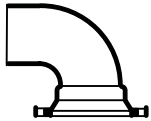
**C110 Ductile Iron Full Body Mechanical Joint Fittings**Price List  
**MJ FULL BODY**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>11 1/4° (1/32) MJ BEND</b>					
2	MJDB1102	MJDB1102U	\$255.00	13	
3	MJDB1103	MJDB1103U	\$196.00	30	
4	MJDB1104	MJDB1104U	\$324.00	50	12
6	MJDB1106	MJDB1106U	\$484.00	75	12
8	MJDB1108	MJDB1108U	\$615.00	110	12
10	MJDB1110	MJDB1110U	\$1,042.00	160	
12	MJDB1112	MJDB1112U	\$1,453.00	220	6
14	MJDB1114	MJDB1114U	\$1,988.00	275	
16	MJDB1116	MJDB1116U	\$2,494.00	345	
18	MJDB1118	MJDB1118U	\$3,309.00	430	
20	MJDB1120	MJDB1120U	\$4,203.00	540	
24	MJDB1124	MJDB1124U	\$5,676.00	770	
30	MJDB1130	MJDB1130U	\$11,228.00	1410	
36	MJDB1136	MJDB1136U	\$17,245.00	2145	
42	MJDB1142	MJDB1142U	\$25,838.00	3035	
48	MJDB1148	MJDB1148U	\$35,670.00	4190	

**90° (1/4) MJ x PE BEND**

3	MJDBP9003	MJDBP9003U	\$238.00	35	
4	MJDBP9004	MJDBP9004U	\$340.00	50	8
6	MJDBP9006	MJDBP9006U	\$627.00	80	12
8	MJDBP9008	MJDBP9008U	\$983.00	120	12
10	MJDBP9010	MJDBP9010U	\$1,280.00	190	8
12	MJDBP9012	MJDBP9012U	\$1,713.00	255	4
14	MJDBP9014	MJDBP9014U	\$3,893.00	325	4
16	MJDBP9016	MJDBP9016U	\$2,960.00	410	
18	MJDBP9018	MJDBP9018U	\$3,877.00	520	
20	MJDBP9020	MJDBP9020U	\$4,843.00	650	
24	MJDBP9024	MJDBP9024U	\$7,341.00	985	
30	MJDBP9030	MJDBP9030U	\$12,654.00	1585	
36	MJDBP9036	MJDBP9036U	\$18,439.00	2310	
42	MJDBP9042	MJDBP9042U	\$33,322.00	3200	
48	MJDBP9048	MJDBP9048U	\$59,060.00	4330	

**45° (1/8) MJ x PE BEND**

3	MJDBP4503	MJDBP4503U	\$206.00	30	24
4	MJDBP4504	MJDBP4504U	\$310.00	45	50
6	MJDBP4506	MJDBP4506U	\$524.00	70	12
8	MJDBP4508	MJDBP4508U	\$790.00	105	24
10	MJDBP4510	MJDBP4510U	\$1,131.00	155	12
12	MJDBP4512	MJDBP4512U	\$1,445.00	215	4
14	MJDBP4514	MJDBP4514U	\$1,845.00	255	4
16	MJDBP4516	MJDBP4516U	\$2,112.00	320	4
18	MJDBP4518	MJDBP4518U	\$2,945.00	395	
20	MJDBP4520	MJDBP4520U	\$3,727.00	500	
24	MJDBP4524	MJDBP4524U	\$5,254.00	715	2
30	MJDBP4530	MJDBP4530U	\$10,180.00	1275	
36	MJDBP4536	MJDBP4536U	\$15,406.00	1930	
42	MJDBP4542	MJDBP4542U	\$30,466.00	2745	
48	MJDBP4548	MJDBP4548U	\$44,172.00	3815	



\*Weights exclude accessories

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**C110 Ductile Iron Full Body Mechanical Joint Fittings**Price List  
**MJ FULL BODY**

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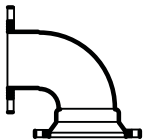
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>22 1/2° (1/16) MJ x PE BEND</b>					
3	MJDBP2203	MJDBP2203U	\$699.00	30	24
4	MJDBP2204	MJDBP2204U	\$308.00	45	24
6	MJDBP2206	MJDBP2206U	\$474.00	70	
8	MJDBP2208	MJDBP2208U	\$710.00	105	
10	MJDBP2210	MJDBP2210U	\$1,076.00	160	
12	MJDBP2212	MJDBP2212U	\$1,476.00	220	
14	MJDBP2214	MJDBP2214U	POA	320	4
16	MJDBP2216	MJDBP2216U	\$2,351.00	325	
18	MJDBP2218	MJDBP2218U	\$3,023.00	405	
20	MJDBP2220	MJDBP2220U	\$3,767.00	505	
24	MJDBP2224	MJDBP2224U	\$5,405.00	725	
30	MJDBP2230	MJDBP2230U	\$11,176.00	1295	
36	MJDBP2236	MJDBP2236U	\$15,725.00	1970	
42	MJDBP2242	MJDBP2242U	\$33,101.00	2810	



Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>11 1/4° (1/32) MJ x PE BEND</b>					
3	MJDBP1103	MJDBP1103U	\$432.00	30	24
4	MJDBP1104	MJDBP1104U	\$673.00	45	24
6	MJDBP1106	MJDBP1106U	\$881.00	70	24
8	MJDBP1108	MJDBP1108U	\$710.00	105	16
12	MJDBP1112	MJDBP1112U	\$939.00		
14	MJDBP1114	MJDBP1114U	\$4,854.00	260	
16	MJDBP1116	MJDBP1116U	\$5,959.00	325	2
18	MJDBP1118	MJDBP1118U	POA	405	
20	MJDBP1120	MJDBP1120U	\$7,093.00	510	
24	MJDBP1124	MJDBP1124U	\$5,442.00	730	
30	MJDBP1130	MJDBP1130U	\$10,419.00	1305	
36	MJDBP1136	MJDBP1136U	\$15,804.00	1980	
48	MJDBP1148	MJDBP1148U	\$44,663.00	3925	



Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>90° (1/4) MJ x FE BEND</b>					
4	MJDFB9004	MJDFB9004U	\$338.00	53	
6	MJDFB9006	MJDFB9006U	\$468.00	75	
8	MJDFB9008	MJDFB9008U	\$727.00	115	2
10	MJDFB9010	MJDFB9010U	\$1,037.00	177	
12	MJDFB9012	MJDFB9012U	\$1,775.00	246	
16	MJDFB9016	MJDFB9016U	\$3,036.00	465	
18	MJDFB9018	MJDFB9018U	\$3,889.00	577	
20	MJDFB9020	MJDFB9020U	\$4,596.00	745	
24	MJDFB9024	MJDFB9024U	\$9,030.00	1150	



Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>45° (1/8) MJ x FE BEND</b>					
4	MJDFB4504	MJDFB4504U	\$281.00	45	
6	MJDFB4506	MJDFB4506U	\$437.00	69	
8	MJDFB4508	MJDFB4508U	\$665.00	105	
10	MJDFB4510	MJDFB4510U	\$1,037.00	155	
12	MJDFB4512	MJDFB4512U	\$1,329.00	215	
16	MJDFB4516	MJDFB4516U	\$2,351.00	360	
18	MJDFB4518	MJDFB4518U	\$3,219.00	422	
20	MJDFB4520	MJDFB4520U	\$4,596.00	543	
24	MJDFB4524	MJDFB4524U	\$6,854.00	903	
30	MJDFB4530	MJDFB4530U	\$12,173.00		



\*Weights exclude accessories

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**C110 Ductile Iron Full Body Mechanical Joint Fittings****Price List  
MJ FULL BODY**

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	Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>22 1/2° (1/16) MJ x FE BEND</b>						
	4	MJDFB2204	MJDFB2204U	\$631.00	45	
	6	MJDFB2206	MJDFB2206U	\$376.00	69	
	8	MJDFB2208	MJDFB2208U	\$665.00	105	
	10	MJDFB2210	MJDFB2210U	\$960.00	155	
	12	MJDFB2212	MJDFB2212U	\$1,520.00	215	
	16	MJDFB2216	MJDFB2216U	\$2,057.00	373	
	18	MJDFB2218	MJDFB2218U	\$2,207.00	422	
	20	MJDFB2220	MJDFB2220U	\$7,144.00	575	
	24	MJDFB2224	MJDFB2224U	\$6,362.00	800	

**11 1/4° (1/32) MJ x FE BEND**

	4	MJDFB1104	MJDFB1104U	\$582.00	45	
	6	MJDFB1106	MJDFB1106U	\$445.00	69	
	8	MJDFB1108	MJDFB1108U	\$652.00	105	
	10	MJDFB1110	MJDFB1110U	\$1,597.00	155	
	12	MJDFB1112	MJDFB1112U	\$1,329.00	215	
	16	MJDFB1116	MJDFB1116U	\$2,394.00	360	
	18	MJDFB1118	MJDFB1118U	\$2,917.00	422	
	20	MJDFB1120	MJDFB1120U	\$7,144.00	575	
	24	MJDFB1124	MJDFB1124U	\$6,362.00	800	

**MJ TEE**

	2x2	MJDT0202	MJDT0202U	\$206.00	22	36
	3x2	MJDT0302	MJDT0302U	\$308.00		
	3x3	MJDT0303	MJDT0303U	\$414.00	55	
	4x2	MJDT0402	MJDT0402U	\$929.00	65	24
	4x3	MJDT0403	MJDT0403U	\$507.00	75	
	4x4	MJDT0404	MJDT0404U	\$515.00	80	12
	4x4x6	MJDT040406	MJDT040406U	POA	115	
	6x2	MJDT0602	MJDT0602U	\$723.00	100	12
	6x3	MJDT0603	MJDT0603U	\$708.00	110	24
	6x4	MJDT0604	MJDT0604U	\$738.00	115	12
	6x6	MJDT0606	MJDT0606U	\$699.00	125	12
	6x6x8	MJDT060608	MJDT060608U	POA	185	
	8x2	MJDT0802	MJDT0802U	\$1,697.00		
	8x3	MJDT0803	MJDT0803U	\$1,435.00	155	
	8x4	MJDT0804	MJDT0804U	\$1,062.00	165	9
	8x6	MJDT0806	MJDT0806U	\$960.00	175	9
	8x8	MJDT0808	MJDT0808U	\$1,037.00	185	9
	10x3	MJDT1003	MJDT1003U	POA	216	
	10x4	MJDT1004	MJDT1004U	\$1,579.00	235	12
	10x6	MJDT1006	MJDT1006U	\$1,628.00	250	4
	10x8	MJDT1008	MJDT1008U	\$1,692.00	260	4
	10x10	MJDT1010	MJDT1010U	\$2,018.00	310	4
	12x3	MJDT1203	MJDT1203U	POA	290	
	12x4	MJDT1204	MJDT1204U	\$2,080.00	315	8
12x6	MJDT1206	MJDT1206U	\$1,879.00	325	4	
12x8	MJDT1208	MJDT1208U	\$2,246.00	340	4	
12x10	MJDT1210	MJDT1210U	\$2,576.00	390	4	
12x12	MJDT1212	MJDT1212U	\$2,709.00	410	4	
14x4	MJDT1404	MJDT1404U	\$4,015.00	383		
14x6	MJDT1406	MJDT1406U	\$3,142.00	435	4	

\*Weights exclude accessories

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# C110 Ductile Iron Full Body Mechanical Joint Fittings

Price List  
**MJ FULL BODY**

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Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
14x8	MJDT1408	MJDT1408U	\$3,249.00	450	
14x10	MJDT1410	MJDT1410U	\$3,358.00	465	
14x12	MJDT1412	MJDT1412U	\$3,575.00	495	
14x14	MJDT1414	MJDT1414U	\$3,754.00	520	
16x4	MJDT1604	MJDT1604U	\$4,980.00	600	
16x6	MJDT1606	MJDT1606U	\$3,900.00	540	
16x8	MJDT1608	MJDT1608U	\$3,972.00	550	
16x10	MJDT1610	MJDT1610U	\$4,116.00	570	
16x12	MJDT1612	MJDT1612U	\$4,259.00	590	
16x14	MJDT1614	MJDT1614U	\$4,476.00	620	
16x16	MJDT1616	MJDT1616U	\$4,887.00	650	
18x4	MJDT1804	MJDT1804U	POA	528	
18x6	MJDT1806	MJDT1806U	\$4,398.00	590	
18x8	MJDT1808	MJDT1808U	\$4,512.00	605	
18x10	MJDT1810	MJDT1810U	\$4,623.00	620	
18x12	MJDT1812	MJDT1812U	\$4,770.00	640	
18x14	MJDT1814	MJDT1814U	\$5,630.00	755	
18x16	MJDT1816	MJDT1816U	\$5,853.00	785	
18x18	MJDT1818	MJDT1818U	\$6,112.00	820	
20x6	MJDT2006	MJDT2006U	\$5,923.00	725	2
20x8	MJDT2008	MJDT2008U	\$6,854.00	735	2
20x10	MJDT2010	MJDT2010U	\$5,630.00	755	
20x12	MJDT2012	MJDT2012U	\$5,688.00	775	2
20x14	MJDT2014	MJDT2014U	\$5,925.00	795	
20x16	MJDT2016	MJDT2016U	\$6,945.00	945	
20x18	MJDT2018	MJDT2018U	\$7,341.00	985	
20x20	MJDT2020	MJDT2020U	\$6,181.00	1020	
24x4	MJDT2404	MJDT2404U	\$8,670.00	985	
24x6	MJDT2406	MJDT2406U	\$7,341.00	985	
24x8	MJDT2408	MJDT2408U	\$7,452.00	1000	
24x10	MJDT2410	MJDT2410U	\$9,132.00	1020	
24x12	MJDT2412	MJDT2412U	\$7,674.00	1030	
24x14	MJDT2414	MJDT2414U	\$7,864.00	1055	
24x16	MJDT2416	MJDT2416U	\$8,080.00	1075	
24x18	MJDT2418	MJDT2418U	\$10,430.00	1400	
24x20	MJDT2420	MJDT2420U	\$12,630.00	1450	
24x24	MJDT2424	MJDT2424U	\$13,330.00	1535	
30x6	MJDT3006	MJDT3006U	\$13,810.00	1730	
30x8	MJDT3008	MJDT3008U	\$13,931.00	1745	
30x10	MJDT3010	MJDT3010U	\$14,048.00	1760	
30x12	MJDT3012	MJDT3012U	\$14,208.00	1780	
30x14	MJDT3014	MJDT3014U	\$21,554.00	1800	
30x16	MJDT3016	MJDT3016U	\$20,635.00	1820	
30x18	MJDT3018	MJDT3018U	\$14,729.00	1845	
30x20	MJDT3020	MJDT3020U	\$14,967.00	1875	
30x24	MJDT3024	MJDT3024U	\$19,154.00	2400	
30x30	MJDT3030	MJDT3030U	\$20,711.00	2595	
36x6	MJDT3606	MJDT3606U	\$19,954.00	2439	
36x8	MJDT3608	MJDT3608U	\$20,112.00	2520	
36x10	MJDT3610	MJDT3610U	\$20,833.00	2535	
36x12	MJDT3612	MJDT3612U	\$20,355.00	2550	
36x14	MJDT3614	MJDT3614U	\$20,513.00	2570	
36x16	MJDT3616	MJDT3616U	\$16,875.00	2585	
36x18	MJDT3618	MJDT3618U	\$20,833.00	2610	
36x20	MJDT3620	MJDT3620U	\$21,032.00	2635	

\*Weights exclude accessories



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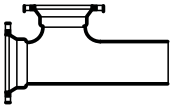
# C110 Ductile Iron Full Body Mechanical Joint Fittings

Price List  
**MJ FULL BODY**

## IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
36x24	MJDT3624	MJDT3624U	\$21,471.00	2690	
36x30	MJDT3630	MJDT3630U	\$28,295.00	3545	
36x36	MJDT3636	MJDT3636U	\$23,362.00	3745	
42x6	MJDT4206	MJDT4206U	\$54,070.00	3440	
42x12	MJDT4212	MJDT4212U	\$30,263.00	3555	
42x14	MJDT4214	MJDT4214U	\$30,433.00	3575	
42x16	MJDT4216	MJDT4216U	\$30,604.00	3595	
42x18	MJDT4218	MJDT4218U	\$57,037.00	3615	
42x20	MJDT4220	MJDT4220U	\$57,037.00	3640	
42x24	MJDT4224	MJDT4224U	\$31,413.00	3690	
42x30	MJDT4230	MJDT4230U	\$39,584.00	4650	
42x36	MJDT4236	MJDT4236U	\$51,713.00	6075	
42x42	MJDT4242	MJDT4242U	\$53,799.00	6320	
48x12	MJDT4812	MJDT4812U	\$61,972.00	4870	
48x14	MJDT4814	MJDT4814U	\$61,828.00	4885	
48x16	MJDT4816	MJDT4816U	\$64,405.00	4905	
48x18	MJDT4818	MJDT4818U	\$66,651.00	4925	
48x20	MJDT4820	MJDT4820U	\$60,053.00	4950	
48x24	MJDT4824	MJDT4824U	\$42,520.00	4995	
48x30	MJDT4830	MJDT4830U	\$43,755.00	5140	
48x36	MJDT4836	MJDT4836U	\$53,460.00	6280	
48x42	MJDT4842	MJDT4842U	\$69,204.00	8130	
48x36x48	MJDT483648	MJDT483648U	POA	6397	
48x48	MJDT4848	MJDT4848U	\$71,673.00	8420	

## MJ x PE x MJ TEE



4	MJDPT0404	MJDPT0404U	POA	75	
6	MJDPT0606	MJDPT0606U	POA	120	
8x4	MJDPT0804	MJDPT0804U	\$1,479.00	160	6
8x6	MJDPT0806	MJDPT0806U	POA	170	
8	MJDPT0808	MJDPT0808U	\$1,184.00	180	
10	MJDPT1010	MJDPT1010U	POA	380	
12x4	MJDPT1204	MJDPT1204U	POA	315	
12x6	MJDPT1206	MJDPT1206U	\$3,085.00	325	
12x8	MJDPT1208	MJDPT1208U	\$2,802.00	340	
12x10	MJDPT1210	MJDPT1210U	POA	390	
12	MJDPT1212	MJDPT1212U	\$3,462.00	410	
14x14	MJDPT1414	MJDPT1414U	\$4,296.00	500	
16x8	MJDPT1608	MJDPT1608U	\$4,133.00	530	2
16x16	MJDPT1616	MJDPT1616U	\$5,350.00	625	
24x6	MJDPT2406	MJDPT2406U	\$10,534.00	945	2
24x8	MJDPT2408	MJDPT2408U	\$10,790.00	960	
24x12	MJDPT2412	MJDPT2412U	\$10,981.00	990	
24x16	MJDPT2416	MJDPT2416U	\$11,404.00	1035	
24x24	MJDPT2424	MJDPT2424U	\$16,706.00	1490	
36x12	MJDPT3612	MJDPT3612U	\$29,832.00	2375	
36x24	MJDPT3624	MJDPT3624U	\$34,594.00	2515	
36x36	MJDPT3636	MJDPT3636U	\$48,827.00	3565	

\*Weights exclude accessories



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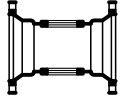
**C110 Ductile Iron Full Body Mechanical Joint Fittings**

Price List

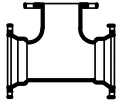
**MJ FULL BODY**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
<b>MJ TAPPED CROSS</b>					
4x4	MJDX0404T	MJDX0404TU	\$308.00	45	
6x6	MJDX0606T	MJDX0606TU	\$474.00	70	
8x8	MJDX0808T	MJDX0808TU	\$747.00	95	
10x10	MJDX1010T	MJDX1010TU	\$876.00	130	
12x12	MJDX1212T	MJDX1212TU	\$1,110.00	165	
16x16	MJDX1616T	MJDX1616TU	\$1,967.00		

**MJ x FE TEE**

3x3	MJDFT0303	MJDFT0303U	POA	45	
4x2	MJDFT0402	MJDFT0402U	\$628.00		
4x4	MJDFT0404	MJDFT0404U	\$602.00	74	
6x3	MJDFT0603	MJDFT0603U	\$1,205.00	115	
6x4	MJDFT0604	MJDFT0604U	\$871.00	109	
6x6	MJDFT0606	MJDFT0606U	\$943.00	120	2
8x4	MJDFT0804	MJDFT0804U	\$1,221.00	159	
8x6	MJDFT0806	MJDFT0806U	\$1,035.00	170	2
8x8	MJDFT0808	MJDFT0808U	\$1,282.00	194	2
10x4	MJDFT1004	MJDFT1004U	\$1,542.00	229	
10x6	MJDFT1006	MJDFT1006U	\$1,491.00	245	12
10x8	MJDFT1008	MJDFT1008U	\$1,672.00	250	
12x4	MJDFT1204	MJDFT1204U	\$2,147.00	323	2
12x6	MJDFT1206	MJDFT1206U	\$2,023.00	320	2
12x8	MJDFT1208	MJDFT1208U	\$3,100.00	342	2
12x10	MJDFT1210	MJDFT1210U	POA	372	
12x12	MJDFT1212	MJDFT1212U	POA	401	
14x6	MJDFT1406	MJDFT1406U	\$5,005.00	457	
14x8	MJDFT1408	MJDFT1408U	\$7,678.00	473	
16x4	MJDFT1604	MJDFT1604U	\$4,152.00	575	
16x6	MJDFT1606	MJDFT1606U	\$4,369.00	605	
16x8	MJDFT1608	MJDFT1608U	\$4,441.00	615	
16x12	MJDFT1612	MJDFT1612U	\$4,702.00	651	
16x16	MJDFT1616	MJDFT1616U	\$5,270.00	730	
18x6	MJDFT1806	MJDFT1806U	\$4,956.00	665	
18x8	MJDFT1808	MJDFT1808U	\$5,032.00	675	
18x12	MJDFT1812	MJDFT1812U	\$5,256.00	735	
18x18	MJDFT1818	MJDFT1818U	\$6,820.00	915	
20x6	MJDFT2006	MJDFT2006U	\$6,500.00	820	
20x8	MJDFT2008	MJDFT2008U	\$6,224.00	835	
20x12	MJDFT2012	MJDFT2012U	\$7,171.00	700	
20x20	MJDFT2020	MJDFT2020U	\$8,681.00	1165	
24x6	MJDFT2406	MJDFT2406U	\$8,387.00	1125	
24x8	MJDFT2408	MJDFT2408U	\$8,492.00	1140	
24x12	MJDFT2412	MJDFT2412U	\$8,681.00	1165	
24x18	MJDFT2418	MJDFT2418U	\$14,596.00	1349	
24x24	MJDFT2424	MJDFT2424U	\$13,374.00	1795	
30x6	MJDFT3006	MJDFT3006U	\$13,650.00	1800	
30x8	MJDFT3008	MJDFT3008U	\$21,261.00	1725	
30x30	MJDFT3030	MJDFT3030U	POA	3080	
36x6	MJDFT3606	MJDFT3606U	\$19,954.00	2430	
36x8	MJDFT3608	MJDFT3608U	\$27,393.00		
36x12	MJDFT3612	MJDFT3612U	\$20,355.00	2550	
36x16	MJDFT3616	MJDFT3616U	\$20,428.00	2450	

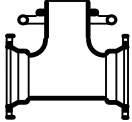


\*Weights exclude accessories

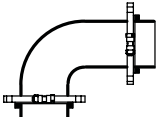
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**C110 Ductile Iron Full Body Mechanical Joint Fittings****Price List  
MJ FULL BODY****IMP-UPL.21.03**

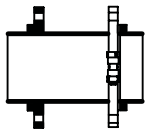
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
36x24	MJDFT3624	MJDFT3624U	\$29,272.00	2660	
36x30	MJDFT3630	MJDFT3630U	\$64,428.00	2964	
36x36	MJDFT3636	MJDFT3636U	\$64,512.00	3461	
42x12	MJDFT4212	MJDFT4212U	\$96,301.00	3547	
42x16	MJDFT4216	MJDFT4216U	\$97,071.00	3562	
42x24	MJDFT4224	MJDFT4224U	\$95,996.00	3527	
48x24	MJDFT4824	MJDFT4824U	POA	4965	

**MJ x SWIVEL HYDRANT TEE W/ SWIVEL GLAND - FULL BODY**

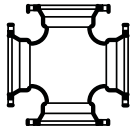
6x6	MJDTH0606	MJDTH0606U	\$798.00	145	9
8x6	MJDTH0806	MJDTH0806U	\$1,050.00	165	9
8x8	MJDTH0808	MJDTH0808U	\$1,941.00	210	
10x6	MJDTH1006	MJDTH1006U	\$1,815.00	270	
12x6	MJDTH1206	MJDTH1206U	\$2,283.00	365	4
12x8	MJDTH1208	MJDTH1208U	\$4,433.00	350	4
16x6	MJDTH1606	MJDTH1606U	\$4,010.00	619	
16x8	MJDTH1608	MJDTH1608U	POA	649	
20x6	MJDTH2006	MJDTH2006U	\$15,015.00	725	2
24x6	MJDTH2406	MJDTH2406U	\$18,382.00	973	
30x6	MJDTH3006	MJDTH3006U	\$16,302.00	2070	
36x6	MJDTH3606	MJDTH3606U	\$20,112.00		

**SWIVEL x SWIVEL HYDRANT ELL (W/ 2 SWIVEL GLANDS)**

6	MJDHB9006	MJDHB9006U	POA	87	
8	MJDHB9008	MJDHB9008U	POA	158	

**SWIVEL x SOLID HYDRANT ADAPTER (W/ SWIVEL GLAND) - FULL BODY**

4x13	MJDHA0413	MJDHA0413U	POA	28	60
6x13	MJDHA0613	MJDHA0613U	POA	54	
6x18	MJDHA0618	MJDHA0618U	POA	68	
6x24	MJDHA0624	MJDHA0624U	POA	81	
6x36	MJDHA0636	MJDHA0636U	POA	110	
6x48	MJDHA0648	MJDHA0648U	POA	139	
8x13	MJDHA0813	MJDHA0813U	POA	68	27
8x18	MJDHA0818	MJDHA0818U	POA	88	
8x24	MJDHA0824	MJDHA0824U	POA	112	
8x48	MJDHA0848	MJDHA0848U	POA	208	
12x13	MJDHA1213	MJDHA1213U	POA	123	12

**MJ CROSS**

4x4	MJDX0404	MJDX0404U	\$710.00		
6x4	MJDX0604	MJDX0604U	\$943.00		
6x6	MJDX0606	MJDX0606U	\$1,026.00	160	8
8x4	MJDX0804	MJDX0804U	\$1,246.00	185	
8x6	MJDX0806	MJDX0806U	\$1,381.00	205	
8x8	MJDX0808	MJDX0808U	\$1,506.00	235	4
10x4	MJDX1004	MJDX1004U	\$2,586.00		
10x6	MJDX1006	MJDX1006U	\$1,914.00	285	
10x8	MJDX1008	MJDX1008U	\$2,080.00	310	
10x10	MJDX1010	MJDX1010U	\$2,549.00	380	
12x4	MJDX1204	MJDX1204U	\$2,857.00	340	
12x6	MJDX1206	MJDX1206U	\$2,417.00	360	
12x8	MJDX1208	MJDX1208U	\$2,544.00	385	2

\*Weights exclude accessories

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# C110 Ductile Iron Full Body Mechanical Joint Fittings

Price List  
**MJ FULL BODY**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
12x10	MJDX1210	MJDX1210U	\$4,288.00		
12x12	MJDX1212	MJDX1212U	\$3,267.00	495	2
14x6	MJDX1406	MJDX1406U	\$4,342.00		
14x8	MJDX1408	MJDX1408U	\$3,249.00	500	
14x10	MJDX1410	MJDX1410U	\$5,964.00		
14x12	MJDX1412	MJDX1412U	\$5,964.00		
14x14	MJDX1414	MJDX1414U	\$4,586.00	635	
16x4	MJDX1604	MJDX1604U	\$5,756.00		
16x6	MJDX1606	MJDX1606U	\$4,152.00	575	
16x8	MJDX1608	MJDX1608U	\$4,369.00	605	
16x10	MJDX1610	MJDX1610U	\$6,463.00		
16x12	MJDX1612	MJDX1612U	\$8,615.00	685	
16x14	MJDX1614	MJDX1614U	\$10,075.00		
16x16	MJDX1616	MJDX1616U	\$5,703.00	790	
18x6	MJDX1806	MJDX1806U	\$6,186.00		
18x8	MJDX1808	MJDX1808U	\$4,729.00	655	
18x10	MJDX1810	MJDX1810U	\$5,106.00	685	
18x12	MJDX1812	MJDX1812U	\$5,405.00	725	
18x14	MJDX1814	MJDX1814U	\$9,304.00		
18x16	MJDX1816	MJDX1816U	\$9,534.00		
18x18	MJDX1818	MJDX1818U	\$7,415.00	995	
20x6	MJDX2006	MJDX2006U	\$10,459.00		
20x8	MJDX2008	MJDX2008U	\$5,800.00	790	
20x10	MJDX2010	MJDX2010U	\$7,928.00		
20x12	MJDX2012	MJDX2012U	\$6,411.00	860	
20x14	MJDX2014	MJDX2014U	\$9,143.00		
20x16	MJDX2016	MJDX2016U	\$8,087.00	1085	
20x18	MJDX2018	MJDX2018U	\$10,436.00		
20x20	MJDX2020	MJDX2020U	\$9,166.00	1230	
24x6	MJDX2406	MJDX2406U	\$7,531.00	1025	
24x8	MJDX2408	MJDX2408U	\$7,788.00	1045	
24x10	MJDX2410	MJDX2410U	\$11,342.00		
24x12	MJDX2412	MJDX2412U	\$8,264.00	1110	
24x14	MJDX2414	MJDX2414U	\$11,078.00		
24x16	MJDX2416	MJDX2416U	\$8,944.00	1200	
24x18	MJDX2418	MJDX2418U	\$14,770.00		
24x20	MJDX2420	MJDX2420U	\$12,480.00	1675	
24x24	MJDX2424	MJDX2424U	\$13,673.00	1835	
30x6	MJDX3006	MJDX3006U	\$14,130.00	1770	
30x8	MJDX3008	MJDX3008U	\$17,351.00		
30x10	MJDX3010	MJDX3010U	\$18,218.00		
30x12	MJDX3012	MJDX3012U	\$14,888.00	1865	
30x14	MJDX3014	MJDX3014U	\$31,833.00		
30x16	MJDX3016	MJDX3016U	\$27,886.00		
30x18	MJDX3018	MJDX3018U	\$27,942.00		
30x20	MJDX3020	MJDX3020U	\$25,320.00		
30x24	MJDX3024	MJDX3024U	\$21,351.00	2675	
30x30	MJDX3030	MJDX3030U	\$24,544.00	3075	
36x12	MJDX3612	MJDX3612U	\$20,992.00		
36x14	MJDX3614	MJDX3614U	\$25,459.00		
36x16	MJDX3616	MJDX3616U	\$36,127.00		
36x18	MJDX3618	MJDX3618U	\$39,129.00		
36x20	MJDX3620	MJDX3620U	\$36,829.00		
36x24	MJDX3624	MJDX3624U	\$33,281.00	2910	

\*Weights exclude accessories



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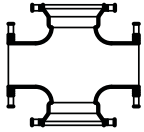
# C110 Ductile Iron Full Body Mechanical Joint Fittings

Price List  
**MJ FULL BODY**

## IMP-UPL.21.03

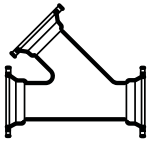
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
36x30	MJDX3630	MJDX3630U	\$45,332.00		
36x36	MJDX3636	MJDX3636U	\$34,877.00	4370	
42x24	MJDX4224	MJDX4224U	\$88,131.00		
42x30	MJDX4230	MJDX4230U	\$111,280.00		
42x36	MJDX4236	MJDX4236U	\$136,373.00		
42x42	MJDX4242	MJDX4242U	\$145,433.00	7145	
48x24	MJDX4824	MJDX4824U	\$56,888.00		
48x30	MJDX4830	MJDX4830U	\$59,877.00		
48x36	MJDX4836	MJDX4836U	\$57,801.00		
48x42	MJDX4842	MJDX4842U	\$84,019.00		
48x48	MJDX4848	MJDX4848U	\$108,151.00		

## MJ x FE CROSS



6x6	MJDFX0606	MJDFX0606U	POA	140	
8x6	MJDFX0806	MJDFX0806U	POA	185	
8x8	MJDFX0808	MJDFX0808U	POA	240	
10x10	MJDFX1010	MJDFX1010U	POA	354	
12x6	MJDFX1206	MJDFX1206U	POA	340	
12x8	MJDFX1208	MJDFX1208U	POA	365	
12x12	MJDFX1212	MJDFX1212U	POA	487	
16x8	MJDFX1608	MJDFX1608U	POA	655	
16x16	MJDFX1616	MJDFX1616U	POA	875	

## MJ LATERAL



3x3	MJDL0303	MJDL0303U	\$405.00	60	
4x3	MJDL0403	MJDL0403U	\$695.00		
4x4	MJDL0404	MJDL0404U	\$608.00	90	
6x4	MJDL0604	MJDL0604U	\$909.00	130	12
6x6	MJDL0606	MJDL0606U	\$1,122.00	145	4
8x4	MJDL0804	MJDL0804U	\$1,280.00	190	
8x6	MJDL0806	MJDL0806U	\$1,381.00	205	4
8x8	MJDL0808	MJDL0808U	\$1,403.00	230	4
10x4	MJDL1004	MJDL1004U	\$3,233.00		
10x6	MJDL1006	MJDL1006U	\$1,914.00	285	
10x8	MJDL1008	MJDL1008U	\$2,050.00	310	
10x10	MJDL1010	MJDL1010U	\$2,517.00	340	
12x4	MJDL1204	MJDL1204U	\$2,852.00		
12x6	MJDL1206	MJDL1206U	\$3,330.00		
12x8	MJDL1208	MJDL1208U	\$2,850.00	425	
12x10	MJDL1210	MJDL1210U	\$4,271.00		
12x12	MJDL1212	MJDL1212U	\$3,587.00	490	
14x4	MJDL1404	MJDL1404U	\$4,261.00		
14x6	MJDL1406	MJDL1406U	\$4,082.00	626	
14x8	MJDL1408	MJDL1408U	\$4,623.00		
14x10	MJDL1410	MJDL1410U	\$6,458.00		
14x12	MJDL1412	MJDL1412U	\$6,775.00		
14x14	MJDL1414	MJDL1414U	\$5,453.00	645	
16x6	MJDL1606	MJDL1606U	\$5,560.00	770	
16x8	MJDL1608	MJDL1608U	\$5,738.00	795	
16x10	MJDL1610	MJDL1610U	\$5,991.00		
16x12	MJDL1612	MJDL1612U	\$6,280.00		
16x16	MJDL1616	MJDL1616U	\$6,424.00	1079	
18x6	MJDL1806	MJDL1806U	\$5,442.00		

\*Weights exclude accessories



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# C110 Ductile Iron Full Body Mechanical Joint Fittings

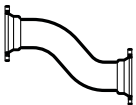
Price List  
**MJ FULL BODY**

## IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
18x8	MJDL1808	MJDL1808U	\$7,004.00	968	
18x10	MJDL1810	MJDL1810U	\$7,975.00	975	
18x12	MJDL1812	MJDL1812U	\$8,421.00	1015	
18x14	MJDL1814	MJDL1814U	\$13,837.00		
18x16	MJDL1816	MJDL1816U	\$8,567.00	1135	
18x18	MJDL1818	MJDL1818U	\$8,941.00	1200	
20x04	MJDL2004	MJDL2004U	\$12,999.00		
20x06	MJDL2006	MJDL2006U	\$12,130.00		
20x08	MJDL2008	MJDL2008U	\$13,277.00		
20x10	MJDL2010	MJDL2010U	\$9,056.00	1220	
20x12	MJDL2012	MJDL2012U	\$8,868.00	1260	
20x14	MJDL2014	MJDL2014U	\$15,883.00		
20x16	MJDL2016	MJDL2016U	\$8,704.00	1375	
20x18	MJDL2018	MJDL2018U	\$16,160.00		
20x20	MJDL2020	MJDL2020U	\$11,364.00	1525	
24x6	MJDL2406	MJDL2406U	\$17,516.00		
24x8	MJDL2408	MJDL2408U	\$19,998.00		
24x12	MJDL2412	MJDL2412U	\$24,656.00		
24x14	MJDL2414	MJDL2414U	\$15,883.00		
24x16	MJDL2416	MJDL2416U	\$26,207.00		
24x18	MJDL2418	MJDL2418U	\$27,688.00		
24x20	MJDL2420	MJDL2420U	\$22,800.00		
24x24	MJDL2424	MJDL2424U	\$16,725.00	2372	
30x12	MJDL3012	MJDL3012U	\$37,322.00		
30x16	MJDL3016	MJDL3016U	\$31,324.00		
30x18	MJDL3018	MJDL3018U	\$32,337.00		
30x20	MJDL3020	MJDL3020U	\$28,187.00		
30x24	MJDL3024	MJDL3024U	\$30,115.00		
30x30	MJDL3030	MJDL3030U	\$29,292.00	3670	
36x12	MJDL3612	MJDL3612U	\$51,750.00		
36x14	MJDL3614	MJDL3614U	\$51,501.00		
36x16	MJDL3616	MJDL3616U	\$45,899.00		
36x18	MJDL3618	MJDL3618U	\$49,185.00		
36x20	MJDL3620	MJDL3620U	\$42,241.00		
36x24	MJDL3624	MJDL3624U	\$41,860.00	5851	
36x30	MJDL3630	MJDL3630U	\$46,284.00		
36x36	MJDL3636	MJDL3636U	\$55,664.00	5022	
42x24	MJDL4224	MJDL4224U	\$57,969.00	6810	
42x30	MJDL4230	MJDL4230U	\$61,374.00	7280	
42x36	MJDL4236	MJDL4236U	\$71,119.00	8355	
42x42	MJDL4242	MJDL4242U	\$90,976.00		
48x20	MJDL4820	MJDL4820U	\$88,942.00		
48x24	MJDL4824	MJDL4824U	POA		
48x30	MJDL4830	MJDL4830U	\$93,768.00		
48x48	MJDL4848	MJDL4848U	\$95,121.00		

## MJ OFFSET

4x6	MJDO0406	MJDO0406U	POA	75	
4x12	MJDO0412	MJDO0412U	\$576.00	85	
4x18	MJDO0418	MJDO0418U	\$710.00	105	
4x24	MJDO0424	MJDO0424U	\$843.00	126	
6x6	MJDO0606	MJDO0606U	\$740.00	110	
6x12	MJDO0612	MJDO0612U	\$909.00	135	



\*Weights exclude accessories



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**C110 Ductile Iron Full Body Mechanical Joint Fittings**

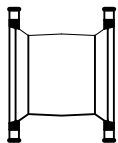
Price List

**MJ FULL BODY****IMP-UPL.21.03**

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
6x18	MJDO0618	MJDO0618U	\$1,110.00	165	
6x24	MJDO0624	MJDO0624U	\$1,032.00	182	
8x6	MJDO0806	MJDO0806U	\$1,076.00	160	
8x12	MJDO0812	MJDO0812U	\$1,342.00	200	
8x18	MJDO0818	MJDO0818U	\$1,625.00	245	
8x24	MJDO0824	MJDO0824U	\$1,700.00	280	
10x12	MJDO1012	MJDO1012U	\$2,371.00	250	
10x18	MJDO1018	MJDO1018U	\$2,282.00	340	
10x24	MJDO1024	MJDO1024U	\$2,816.00	420	
12x6	MJDO1206	MJDO1206U	\$4,968.00		
12x12	MJDO1212	MJDO1212U	\$2,816.00	420	
12x18	MJDO1218	MJDO1218U	\$3,488.00	520	
12x24	MJDO1224	MJDO1224U	\$4,292.00	649	
16x12	MJDO1612	MJDO1612U	\$4,742.00	600	
16x18	MJDO1618	MJDO1618U	\$4,993.00	710	
20x12	MJDO2012	MJDO2012U	\$5,405.00	1025	
20x18	MJDO2018	MJDO2018U	\$8,868.00	1362	
20x24	MJDO2024	MJDO2024U	\$20,978.00		

**MJ x PE OFFSET**

Size	Item Code	Item Code	Price	Weight	Quantity
4x6	MJDOP0406	MJDOP0406U	\$810.00	70	
4x12	MJDOP0412	MJDOP0412U	\$832.00	80	
4x24	MJDOP0424	MJDOP0424U	\$1,093.00	125	
6x6	MJDOP0606	MJDOP0606U	\$993.00	105	
6x12	MJDOP0612	MJDOP0612U	\$876.00	130	
6x18	MJDOP0618	MJDOP0618U	\$1,015.00	160	
6x24	MJDOP0624	MJDOP0624U	\$1,005.00	160	
8x6	MJDOP0806	MJDOP0806U	\$1,852.00	155	
8x12	MJDOP0812	MJDOP0812U	\$1,392.00	195	
8x18	MJDOP0818	MJDOP0818U	\$2,790.00	240	
8x24	MJDOP0824	MJDOP0824U	\$2,016.00	285	
10x12	MJDOP1012	MJDOP1012U	POA	280	
10x18	MJDOP1018	MJDOP1018U	POA	340	
12x06	MJDOP1206	MJDOP1206U	\$3,040.00		
12x12	MJDOP1212	MJDOP1212U	\$5,274.00	420	
12x18	MJDOP1218	MJDOP1218U	\$6,173.00	520	2
12x24	MJDOP1224	MJDOP1224U	POA	630	
16x18	MJDOP1618	MJDOP1618U	POA	690	

**MJ SOLID SLEEVE - SHORT**

Size	Item Code	Item Code	Price	Weight	Quantity
2	MJDSS02	MJDSS02U	\$130.00	12	48
3	MJDSS03	MJDSS03U	\$285.00	25	
4	MJDSS04	MJDSS04U	\$229.00	35	4
6	MJDSS06	MJDSS06U	\$256.00	45	4
8	MJDSS08	MJDSS08U	\$367.00	65	27
10	MJDSS10	MJDSS10U	\$556.00	85	4
12	MJDSS12	MJDSS12U	\$731.00	110	12
14	MJDSS14	MJDSS14U	\$1,441.00	150	
16	MJDSS16	MJDSS16U	\$1,240.00	180	
18	MJDSS18	MJDSS18U	\$1,607.00	215	
20	MJDSS20	MJDSS20U	\$1,793.00	240	
24	MJDSS24	MJDSS24U	\$2,766.00	320	
30	MJDSS30	MJDSS30U	\$6,023.00	635	

\*Weights exclude accessories

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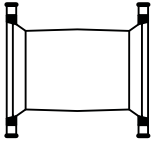
# C110 Ductile Iron Full Body Mechanical Joint Fittings

Price List  
**MJ FULL BODY**

## IMP-UPL.21.03

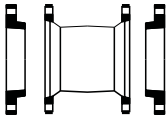
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
36	MJDSS36	MJDSS36U	\$8,221.00	855	
42	MJDSS42	MJDSS42U	\$9,495.00	1115	
48	MJDSS48	MJDSS48U	\$14,266.00	1385	

### MJ SOLID SLEEVE - LONG



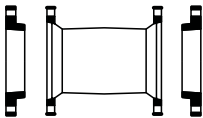
2	MJDLSL02	MJDLSL02U	\$229.00	18	
3	MJDLSL03	MJDLSL03U	\$206.00	30	
4	MJDLSL04	MJDLSL04U	\$256.00	45	24
6	MJDLSL06	MJDLSL06U	\$367.00	65	27
8	MJDLSL08	MJDLSL08U	\$451.00	85	27
10	MJDLSL10	MJDLSL10U	\$774.00	115	12
12	MJDLSL12	MJDLSL12U	\$871.00	145	12
14	MJDLSL14	MJDLSL14U	\$1,410.00	195	2
16	MJDLSL16	MJDLSL16U	\$1,587.00	235	2
18	MJDLSL18	MJDLSL18U	\$2,270.00	285	
20	MJDLSL20	MJDLSL20U	\$2,304.00	325	2
24	MJDLSL24	MJDLSL24U	\$3,040.00	425	
30	MJDLSL30	MJDLSL30U	\$7,132.00	885	
36	MJDLSL36	MJDLSL36U	\$8,598.00	1190	
42	MJDLSL42	MJDLSL42U	\$9,719.00	1550	
48	MJDLSL48	MJDLSL48U	\$15,484.00	1940	

### MJ DUAL PURPOSE SLEEVE - SHORT\*



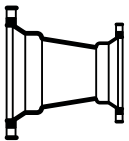
4	MJDSSDP04	MJDSSDP04U	POA	35	24
6	MJDSSDP06	MJDSSDP06U	POA	45	18
8	MJDSSDP08	MJDSSDP08U	POA	65	
10	MJDSSDP10	MJDSSDP10U	POA		

### MJ DUAL PURPOSE SOLID SLEEVE - LONG\*



4	MJDSLDP04	MJDSLDP04U	\$602.00	44	
6	MJDSLDP06	MJDSLDP06U	\$427.00	63	
8	MJDSLDP08	MJDSLDP08U	\$563.00	85	
10	MJDSLDP10	MJDSLDP10U	\$725.00	111	
12	MJDSLDP12	MJDSLDP12U	\$1,892.00	221	
16	MJDSLDP16	MJDSLDP16U	\$4,298.00	385	
20	MJDSLDP20	MJDSLDP20U	POA		
24	MJDSLDP24	MJDSLDP24U	POA		

### MJ REDUCER



3x2	MJDR0302	MJDR0302U	\$212.00	26	60
4x2	MJDR0402	MJDR0402U	\$212.00	30	48
4x3	MJDR0403	MJDR0403U	\$259.00	40	48
6x2	MJDR0602	MJDR0602U	\$312.00	45	24
6x3	MJDR0603	MJDR0603U	\$357.00	55	24
6x4	MJDR0604	MJDR0604U	\$339.00	60	24
8x3	MJDR0803	MJDR0803U	\$641.00	84	
8x4	MJDR0804	MJDR0804U	\$555.00	80	16
8x6	MJDR0806	MJDR0806U	\$533.00	95	16
10x4	MJDR1004	MJDR1004U	\$998.00	105	
10x6	MJDR1006	MJDR1006U	\$751.00	115	12
10x8	MJDR1008	MJDR1008U	\$884.00	135	12
12x4	MJDR1204	MJDR1204U	\$956.00	135	8
12x6	MJDR1206	MJDR1206U	\$1,191.00	150	8

\*Weights exclude accessories



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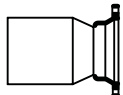
# C110 Ductile Iron Full Body Mechanical Joint Fittings

Price List  
**MJ FULL BODY**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
12x8	MJDR1208	MJDR1208U	\$1,093.00	165	8
12x10	MJDR1210	MJDR1210U	\$1,256.00	190	8
14x6	MJDR1406	MJDR1406U	\$1,227.00	190	4
14x8	MJDR1408	MJDR1408U	\$1,520.00		
1410	MJDR1410	MJDR1410U	\$1,718.00		
14x12	MJDR1412	MJDR1412U	\$1,847.00	255	2
16x6	MJDR1606	MJDR1606U	\$1,663.00	230	
16x8	MJDR1608	MJDR1608U	\$2,179.00	250	
16x10	MJDR1610	MJDR1610U	\$1,983.00	280	
16x12	MJDR1612	MJDR1612U	\$2,379.00	305	
16x14	MJDR1614	MJDR1614U	\$2,421.00	335	
18x8	MJDR1808	MJDR1808U	\$2,202.00	295	
18x10	MJDR1810	MJDR1810U	\$2,427.00	325	
18x12	MJDR1812	MJDR1812U	\$2,612.00	350	
18x14	MJDR1814	MJDR1814U	\$2,836.00	380	
18x16	MJDR1816	MJDR1816U	\$3,096.00	415	
20x6	MJDR2006	MJDR2006U	\$5,203.00		
20x8	MJDR2008	MJDR2008U	\$5,416.00	345	
20x10	MJDR2010	MJDR2010U	\$2,758.00	375	
20x12	MJDR2012	MJDR2012U	\$3,023.00	405	
20x14	MJDR2014	MJDR2014U	\$4,601.00		
20x16	MJDR2016	MJDR2016U	\$3,505.00	470	
20x18	MJDR2018	MJDR2018U	\$3,804.00	510	
24x8	MJDR2408	MJDR2408U	\$6,150.00		
24x12	MJDR2412	MJDR2412U	\$4,101.00	550	
24x14	MJDR2414	MJDR2414U	\$5,952.00		
24x16	MJDR2416	MJDR2416U	\$4,586.00	615	
24x18	MJDR2418	MJDR2418U	\$4,920.00	660	
24x20	MJDR2420	MJDR2420U	\$5,256.00	705	
30x12	MJDR3012	MJDR3012U	\$8,213.00	920	
30x16	MJDR3016	MJDR3016U	\$7,865.00	985	
30x18	MJDR3018	MJDR3018U	\$7,904.00	990	
30x20	MJDR3020	MJDR3020U	\$8,387.00	1050	
30x24	MJDR3024	MJDR3024U	\$9,303.00	1165	
36x14	MJDR3614	MJDR3614U	\$20,036.00		
36x16	MJDR3616	MJDR3616U	\$14,614.00		
36x18	MJDR3618	MJDR3618U	\$15,288.00		
36x20	MJDR3620	MJDR3620U	\$11,576.00	1450	
36x24	MJDR3624	MJDR3624U	\$12,610.00	1580	
36x30	MJDR3630	MJDR3630U	\$14,807.00	1855	
42x20	MJDR4220	MJDR4220U	\$16,305.00		
42x24	MJDR4224	MJDR4224U	\$17,537.00	2060	
42x30	MJDR4230	MJDR4230U	\$20,176.00	2370	
42x36	MJDR4236	MJDR4236U	\$22,945.00		
48x24	MJDR4824	MJDR4824U	\$25,652.00		
48x30	MJDR4830	MJDR4830U	\$25,581.00	3005	
48x36	MJDR4836	MJDR4836U	\$28,690.00		
48x42	MJDR4842	MJDR4842U	\$31,921.00		

## MJ SMALL END BELL (SEB) REDUCER



3x2	MJDRS0302	MJDRS0302U	\$323.00	14	48
4x2	MJDRS0402	MJDRS0402U	\$265.00	18	48
4x3	MJDRS0403	MJDRS0403U	\$238.00	35	
6x2	MJDRS0602	MJDRS0602U	\$330.00		





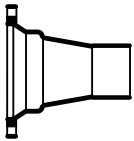
# C110 Ductile Iron Full Body Mechanical Joint Fittings

Price List  
**MJ FULL BODY**

## IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
6x3	MJDRS0603	MJDRS0603U	\$340.00	50	
6x4	MJDRS0604	MJDRS0604U	\$405.00	60	
8x3	MJDRS0803	MJDRS0803U	\$515.00	77	
8x4	MJDRS0804	MJDRS0804U	\$540.00	80	16
8x6	MJDRS0806	MJDRS0806U	\$608.00	90	16
10x6	MJDRS1006	MJDRS1006U	\$774.00	115	
10x8	MJDRS1008	MJDRS1008U	\$876.00	130	
12x4	MJDRS1204	MJDRS1204U	\$876.00	130	
12x6	MJDRS1206	MJDRS1206U	\$1,010.00	150	
12x8	MJDRS1208	MJDRS1208U	\$1,110.00	165	12
12x10	MJDRS1210	MJDRS1210U	\$1,280.00	190	
16x8	MJDRS1608	MJDRS1608U	\$1,663.00	230	
16x12	MJDRS1612	MJDRS1612U	\$2,061.00	285	
16x14	MJDRS1614	MJDRS1614U	\$4,090.00		
18x12	MJDRS1812	MJDRS1812U	\$2,427.00	325	
20x8	MJDRS2008	MJDRS2008U	\$5,323.00		
20x12	MJDRS2012	MJDRS2012U	\$2,799.00	375	
20x16	MJDRS2016	MJDRS2016U	\$3,244.00	435	
20x18	MJDRS2018	MJDRS2018U	\$5,323.00		
24x12	MJDRS2412	MJDRS2412U	\$3,804.00	510	
24x14	MJDRS2414	MJDRS2414U	\$6,673.00		
24x16	MJDRS2416	MJDRS2416U	\$4,287.00	575	
24x18	MJDRS2418	MJDRS2418U	\$4,623.00	620	
24x20	MJDRS2420	MJDRS2420U	\$4,956.00	665	
30x16	MJDRS3016	MJDRS3016U	\$7,185.00	835	
30x18	MJDRS3018	MJDRS3018U	\$7,067.00	885	
30x20	MJDRS3020	MJDRS3020U	\$7,545.00	945	
30x24	MJDRS3024	MJDRS3024U	\$8,462.00	1060	
36x20	MJDRS3620	MJDRS3620U	\$17,784.00		
36x24	MJDRS3624	MJDRS3624U	\$20,157.00		
36x30	MJDRS3630	MJDRS3630U	\$13,490.00	1690	
42x30	MJDRS4230	MJDRS4230U	\$27,644.00		
42x36	MJDRS4236	MJDRS4236U	\$29,525.00		
48x36	MJDRS4836	MJDRS4836U	\$26,388.00		

## MJ LARGE END BELL (LEB) REDUCER



4x3	MJDRL0403	MJDRL0403U	\$271.00	40	
6x3	MJDRL0603	MJDRL0603U	\$371.00	55	
6x4	MJDRL0604	MJDRL0604U	\$405.00	60	
8x3	MJDRL0803	MJDRL0803U	\$515.00	70	
8x4	MJDRL0804	MJDRL0804U	\$540.00	80	
8x6	MJDRL0806	MJDRL0806U	\$662.00	90	
10x6	MJDRL1006	MJDRL1006U	\$774.00	115	
10x8	MJDRL1008	MJDRL1008U	\$876.00	130	
12x4	MJDRL1204	MJDRL1204U	\$1,294.00		
12x6	MJDRL1206	MJDRL1206U	\$977.00	145	
12x8	MJDRL1208	MJDRL1208U	\$1,110.00	165	
12x10	MJDRL1210	MJDRL1210U	\$1,246.00	185	
16x8	MJDRL1608	MJDRL1608U	\$3,067.00		
16x10	MJDRL1610	MJDRL1610U	\$3,372.00		
16x12	MJDRL1612	MJDRL1612U	\$2,206.00	305	
20x10	MJDRL2010	MJDRL2010U	\$4,015.00		
20x16	MJDRL2016	MJDRL2016U	\$3,319.00	445	

\*Weights exclude accessories



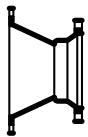
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**C110 Ductile Iron Full Body Mechanical Joint Fittings****Price List  
MJ FULL BODY****IMP-UPL.21.03**

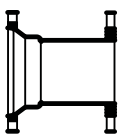
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
24x16	MJDRL2416	MJDRL2416U	\$4,437.00	595	
24x20	MJDRL2420	MJDRL2420U	\$5,032.00	675	
30x16	MJDRL3016	MJDRL3016U	\$11,218.00		
30x18	MJDRL3018	MJDRL3018U	\$11,340.00		
30x20	MJDRL3020	MJDRL3020U	\$8,142.00		
30x24	MJDRL3024	MJDRL3024U	\$8,982.00	1125	
36x20	MJDRL3620	MJDRL3620U	\$11,336.00	1420	
36x24	MJDRL3624	MJDRL3624U	\$12,255.00	1535	
36x30	MJDRL3630	MJDRL3630U	\$13,336.00		
42x30	MJDRL4230	MJDRL4230U	\$30,110.00		
42x36	MJDRL4236	MJDRL4236U	\$33,372.00		
48x42	MJDRL4842	MJDRL4842U	\$56,473.00		

**MJ x FE REDUCER**

4x3	MJDFR0403	MJDFR0403U	\$233.00	35	
6x3	MJDFR0603	MJDFR0603U	\$357.00	49	
6x4	MJDFR0604	MJDFR0604U	\$371.00	54	
8x4	MJDFR0804	MJDFR0804U	\$501.00	75	
8x6	MJDFR0806	MJDFR0806U	\$526.00	80	2
10x6	MJDFR1006	MJDFR1006U	\$615.00	105	
10x8	MJDFR1008	MJDFR1008U	\$804.00	130	
12x6	MJDFR1206	MJDFR1206U	\$804.00	145	
12x8	MJDFR1208	MJDFR1208U	\$1,171.00	175	
12x10	MJDFR1210	MJDFR1210U	\$1,142.00	185	
14x6	MJDFR1406	MJDFR1406U	\$1,269.00	195	
14x8	MJDFR1408	MJDFR1408U	\$1,560.00	215	
14x12	MJDFR1412	MJDFR1412U	\$1,560.00	270	
16x12	MJDFR1612	MJDFR1612U	\$2,470.00	325	
18x8	MJDFR1808	MJDFR1808U	\$2,238.00	300	
18x12	MJDFR1812	MJDFR1812U	\$3,023.00	360	
18x16	MJDFR1816	MJDFR1816U	\$3,319.00	445	
20x16	MJDFR2016	MJDFR2016U	\$3,804.00	510	
24x12	MJDFR2412	MJDFR2412U	\$5,248.00	455	

**FE x MJ REDUCER**

4x3	FMJDR0403	FMJDR0403U	\$226.00	34	
6x4	FMJDR0604	FMJDR0604U	\$329.00	60	
8x4	FMJDR0804	FMJDR0804U	\$451.00	80	
8x6	FMJDR0806	FMJDR0806U	\$543.00	89	
10x6	FMJDR1006	FMJDR1006U	\$734.00	114	
10x8	FMJDR1008	FMJDR1008U	\$804.00	130	
12x6	FMJDR1206	FMJDR1206U	\$895.00	151	
12x8	FMJDR1208	FMJDR1208U	\$1,048.00	183	
12x10	FMJDR1210	FMJDR1210U	\$1,158.00	190	
16x12	FMJDR1612	FMJDR1612U	\$1,987.00	305	

**MJ x FE ADAPTER**

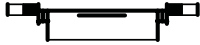
3	MJDFA03	MJDFA03U	\$206.00	30	
4	MJDFA04	MJDFA04U	\$271.00	40	16
6	MJDFA06	MJDFA06U	\$405.00	60	8
8	MJDFA08	MJDFA08U	\$576.00	85	8
10	MJDFA10	MJDFA10U	\$948.00	115	
12	MJDFA12	MJDFA12U	\$1,176.00	155	

\*Weights exclude accessories

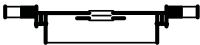
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**C110 Ductile Iron Full Body Mechanical Joint Fittings**Price List  
**MJ FULL BODY****IMP-UPL.21.03**

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
14	MJDFA14	MJDFA14U	\$1,410.00	195	4
16	MJDFA16	MJDFA16U	\$1,879.00	240	
18	MJDFA18	MJDFA18U	\$2,245.00	280	
20	MJDFA20	MJDFA20U	\$2,725.00	340	
24	MJDFA24	MJDFA24U	\$3,413.00	455	
30	MJDFA30	MJDFA30U	\$6,068.00	760	
36	MJDFA36	MJDFA36U	\$8,544.00	1070	
42	MJDFA42	MJDFA42U	\$12,815.00	1505	
48	MJDFA48	MJDFA48U	\$16,519.00		

**MJ PLUG - SOLID**

2	MJDP02	MJDP02U	\$66.00	5	24
3	MJDP03	MJDP03U	\$69.00	10	
4	MJDP04	MJDP04U	\$101.00	20	18
6	MJDP06	MJDP06U	\$164.00	25	18
8	MJDP08	MJDP08U	\$292.00	45	12
10	MJDP10	MJDP10U	\$427.00	65	8
12	MJDP12	MJDP12U	\$563.00	85	8
14	MJDP14	MJDP14U	\$834.00	115	
16	MJDP16	MJDP16U	\$1,026.00	145	2
18	MJDP18	MJDP18U	\$892.00	180	
20	MJDP20	MJDP20U	\$1,767.00	200	
24	MJDP24	MJDP24U	\$2,500.00	335	
30	MJDP30	MJDP30U	\$4,595.00	573	
36	MJDP36	MJDP36U	\$6,508.00	815	
42	MJDP42	MJDP42U	\$9,453.00	1110	
48	MJDP48	MJDP48U	\$12,389.00	1455	

**MJ PLUG - TAPPED (2" TAP)**

2	MJDP02T	MJDP02TU	\$117.00		
3	MJDP03T	MJDP03TU	\$120.00	10	
4	MJDP04T	MJDP04TU	\$152.00	20	18
6	MJDP06T	MJDP06TU	\$217.00	30	120
8	MJDP08T	MJDP08TU	\$342.00	50	100
10	MJDP10T	MJDP10TU	\$477.00	65	8
12	MJDP12T	MJDP12TU	\$615.00	85	40
14	MJDP14T	MJDP14TU	\$917.00	115	
16	MJDP16T	MJDP16TU	\$1,109.00	145	
18	MJDP18T	MJDP18TU	\$1,000.00	180	
20	MJDP20T	MJDP20TU	\$1,874.00	200	
24	MJDP24T	MJDP24TU	\$2,606.00	290	
30	MJDP30T	MJDP30TU	\$4,752.00	575	
36	MJDP36T	MJDP36TU	\$6,668.00	815	
42	MJDP42T	MJDP42TU	\$10,785.00	1110	
48	MJDP48T	MJDP48TU	\$14,389.00	1455	

The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.



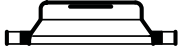
# C110 Ductile Iron Full Body Mechanical Joint Fittings

Price List  
**MJ FULL BODY**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	Less Accessory List Price	Weight* (lbs.)	Crate Quantity
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## MJ CAP - SOLID



2	MJDC02	MJDC02U	\$69.00	5	100
3	MJDC03	MJDC03U	\$80.00	12	50
4	MJDC04	MJDC04U	\$101.00	15	18
6	MJDC06	MJDC06U	\$146.00	25	18
8	MJDC08	MJDC08U	\$256.00	45	18
10	MJDC10	MJDC10U	\$394.00	60	8
12	MJDC12	MJDC12U	\$529.00	80	8
14	MJDC14	MJDC14U	\$1,076.00	120	2
16	MJDC16	MJDC16U	\$1,084.00	155	2
18	MJDC18	MJDC18U	\$1,290.00	195	2
20	MJDC20	MJDC20U	\$1,767.00	240	2
24	MJDC24	MJDC24U	\$2,575.00	300	2
30	MJDC30	MJDC30U	\$4,714.00	590	
36	MJDC36	MJDC36U	\$6,789.00	850	
42	MJDC42	MJDC42U	\$10,047.00	1180	
48	MJDC48	MJDC48U	\$13,578.00	1595	

## MJ CAP - TAPPED (2" TAP)



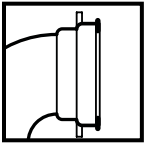
2	MJDC02T	MJDC02TU	\$120.00	5	
3	MJDC03T	MJDC03TU	\$133.00	12	
4	MJDC04T	MJDC04TU	\$152.00	20	
6	MJDC06T	MJDC06TU	\$197.00	30	18
8	MJDC08T	MJDC08TU	\$308.00	45	18
10	MJDC10T	MJDC10TU	\$446.00	60	
12	MJDC12T	MJDC12TU	\$582.00	80	8
14	MJDC14T	MJDC14TU	\$1,158.00	110	
16	MJDC16T	MJDC16TU	\$1,170.00	155	
18	MJDC18T	MJDC18TU	\$1,398.00	185	
20	MJDC20T	MJDC20TU	\$1,874.00	200	
24	MJDC24T	MJDC24TU	\$2,681.00	300	
30	MJDC30T	MJDC30TU	\$4,871.00	590	
36	MJDC36T	MJDC36TU	\$6,948.00	815	
42	MJDC42T	MJDC42TU	\$10,261.00	1180	
48	MJDC48T	MJDC48TU	\$13,795.00	1595	

The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.





## IMPORT PRICE LIST



# C153 DI PUSH-ON FITTINGS

ANSI/AWWA C153/A21.53

version: **IMP-UPL.21.03**

EFFECTIVE: JUNE 1, 2021  
(SUPERSEDES ALL PREVIOUS PRICING)

**WEST COAST (U.S.)**

Toll Free: (877) 701-7827  
Fax: (951) 898-9561

**CENTRAL (U.S.)**

Toll Free: (800) 999-3009  
Fax: (281) 558-9000

**CAMBRIDGE (CANADA)**

Toll Free: (888) 893-7827  
Fax: (519) 650-1553



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ISO 9001:2015

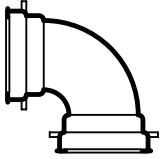
Star Pipe Products  
4018 Westhollow Parkway  
Houston, Texas 77082  
[www.starpipeproducts.com](http://www.starpipeproducts.com)

Corporate Headquarters  
800.999.3009 Toll Free  
281.558.3000 Telephone  
281.558.9000 Fax

**C153 Ductile Iron Compact Push-On Fittings**Price List  
**PUSH-ON**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
<b>PO 90° (1/4) BEND</b>					
4	POB9004	POB9004U	\$226.00	26	48
6	POB9006	POB9006U	\$361.00	44	48
8	POB9008	POB9008U	\$534.00	71	18
10	POB9010	POB9010U	\$718.00	112	8
12	POB9012	POB9012U	\$1,195.00	146	8
14	POB9014	POB9014U	\$1,725.00	254	
16	POB9016	POB9016U	\$3,068.00	309	2
18	POB9018	POB9018U	\$4,264.00	482	
20	POB9020	POB9020U	\$4,773.00	640	
24	POB9024	POB9024U	\$5,957.00	710	2



<b>PO 45° (1/8) BEND</b>					
4	POB4504	POB4504U	\$207.00	23	60
6	POB4506	POB4506U	\$306.00	38	36
8	POB4508	POB4508U	\$447.00	54	27
10	POB4510	POB4510U	\$684.00	84	12
12	POB4512	POB4512U	\$911.00	110	8
14	POB4514	POB4514U	\$1,371.00	143	
16	POB4516	POB4516U	\$2,128.00	261	4
18	POB4518	POB4518U	\$2,441.00	309	
20	POB4520	POB4520U	\$3,508.00	397	
24	POB4524	POB4524U	\$4,351.00	455	



<b>PO 22 1/2° (1/16) BEND</b>					
4	POB2204	POB2204U	\$197.00	22	36
6	POB2206	POB2206U	\$274.00	34	24
8	POB2208	POB2208U	\$367.00	55	24
10	POB2210	POB2210U	\$580.00	69	12
12	POB2212	POB2212U	\$763.00	81	8
14	POB2214	POB2214U	\$1,371.00	162	
16	POB2216	POB2216U	\$2,007.00	177	4
18	POB2218	POB2218U	\$2,709.00	209	
20	POB2220	POB2220U	\$3,663.00	414	
24	POB2224	POB2224U	\$4,948.00	455	



<b>PO 11 1/4° (1/32) BEND</b>					
4	POB1104	POB1104U	\$199.00	21	24
6	POB1106	POB1106U	\$274.00	32	60
8	POB1108	POB1108U	\$377.00	52	27
10	POB1110	POB1110U	\$563.00	79	12
12	POB1112	POB1112U	\$752.00	82	8
14	POB1114	POB1114U	\$1,371.00	113	
16	POB1116	POB1116U	\$2,080.00	172	4
18	POB1118	POB1118U	\$2,716.00	209	
20	POB1120	POB1120U	\$3,337.00	265	
24	POB1124	POB1124U	\$7,265.00	315	2

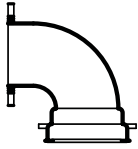
*[All Fittings Supplied with Push-On Gaskets]*

\*Weights exclude accessories

Certified to  
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**C153 Ductile Iron Compact Push-On Fittings**Price List  
**PUSH-ON****IMP-UPL.21.03**

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
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**PO x FLG 90° (1/4) BEND**

4	POFB9004	POFB9004U	\$200.00	35	24
6	POFB9006	POFB9006U	\$499.00	51	24
8	POFB9008	POFB9008U	\$561.00	74	18
10	POFB9010	POFB9010U	\$956.00	130	16
12	POFB9012	POFB9012U	\$1,445.00	158	16
14	POFB9014	POFB9014U	\$1,366.00	231	
16	POFB9016	POFB9016U	\$1,997.00	233	4

**PO x FLG 45° (1/8) BEND**

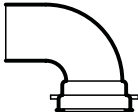
4	POFB4504	POFB4504U	\$185.00	21	60
6	POFB4506	POFB4506U	\$392.00	42	36
8	POFB4508	POFB4508U	\$598.00	60	27
10	POFB4510	POFB4510U	\$801.00	93	12
12	POFB4512	POFB4512U	\$1,121.00	122	8
14	POFB4514	POFB4514U	\$1,392.00	162	
16	POFB4516	POFB4516U	\$2,358.00	275	4

**PO x FLG 22 1/2° (1/16) BEND**

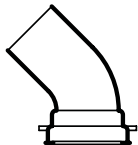
4	POFB2204	POFB2204U	\$224.00	25	48
6	POFB2206	POFB2206U	\$294.00	44	36
8	POFB2208	POFB2208U	\$501.00	64	24
10	POFB2210	POFB2210U	\$684.00	90	12
12	POFB2212	POFB2212U	\$1,111.00	112	8
14	POFB2214	POFB2214U	\$1,392.00	174	
16	POFB2216	POFB2216U	\$2,358.00	228	

**PO x FLG 11 1/4° (1/32) BEND**

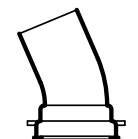
4	POFB1104	POFB1104U	\$210.00	24	48
6	POFB1106	POFB1106U	\$294.00	30	36
8	POFB1108	POFB1108U	\$489.00	61	27
10	POFB1110	POFB1110U	\$643.00	80	12
12	POFB1112	POFB1112U	\$959.00	94	8
14	POFB1114	POFB1114U	\$1,461.00	170	
16	POFB1116	POFB1116U	\$1,955.00	228	

**PO x PE 90° (1/4) BEND**

4	POBP9004	POBP9004U	\$432.00	35	80
6	POBP9006	POBP9006U	\$409.00	50	

**PO x PE 45° (1/8) BEND**

4	POBP4504	POBP4504U	\$151.00	21	
6	POBP4506	POBP4506U	\$329.00	38	
8	POBP4508	POBP4508U	\$517.00	60	

**PO x PE 22 1/2° (1/16) BEND**

6	POBP2206	POBP2206U	\$306.00	35	
8	POBP2208	POBP2208U	\$492.00	57	

*[All Fittings Supplied with Push-On Gaskets]*

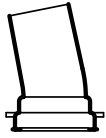
\*Weights exclude accessories

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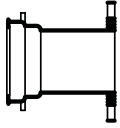


**C153 Ductile Iron Compact Push-On Fittings**Price List  
**PUSH-ON****IMP-UPL.21.03**

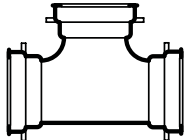
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
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**PO x PE 11 1/4° (1/32) BEND**

6	POBP1106	POBP1106U	\$312.00	36	
8	POBP1108	POBP1108U	\$475.00	55	

**PO x FLG ADAPTER**

4	POFA04	POFA04U	\$196.00	22	
6	POFA06	POFA06U	\$306.00	32	60
8	POFA08	POFA08U	\$411.00	52	36
10	POFA10	POFA10U	\$520.00	79	24
12	POFA12	POFA12U	\$816.00	82	16
14	POFA14	POFA14U	\$1,481.00	113	
16	POFA16	POFA16U	\$1,640.00	193	8
18	POFA18	POFA18U	\$2,379.00	226	
20	POFA20	POFA20U	\$2,612.00	264	
24	POFA24	POFA24U	\$5,119.00	308	4

**PO TEE**

4x4	POT0404	POT0404U	\$325.00	46	48
6x4	POT0604	POT0604U	\$414.00	58	24
6x6	POT0606	POT0606U	\$436.00	66	24
8x4	POT0804	POT0804U	\$550.00	93	16
8x6	POT0806	POT0806U	\$615.00	103	18
8x8	POT0808	POT0808U	\$719.00	109	18
10x4	POT1004	POT1004U	\$852.00	95	18
10x6	POT1006	POT1006U	\$919.00	129	12
10x8	POT1008	POT1008U	\$1,093.00	141	8
10x10	POT1010	POT1010U	\$1,355.00	145	8
12x4	POT1204	POT1204U	\$1,062.00	115	12
12x6	POT1206	POT1206U	\$960.00	164	8
12x8	POT1208	POT1208U	\$1,203.00	166	8
12x10	POT1210	POT1210U	\$1,372.00	175	4
12x12	POT1212	POT1212U	\$1,336.00	193	4
14x6	POT1406	POT1406U	\$1,349.00	176	
14x10	POT1410	POT1410U	\$2,975.00	195	
14x12	POT1412	POT1412U	\$3,015.00	196	
14x14	POT1414	POT1414U	\$2,902.00	209	
16x6	POT1606	POT1606U	\$2,508.00	231	2
16x8	POT1608	POT1608U	\$2,727.00	265	4
16x10	POT1610	POT1610U	\$2,837.00	232	
16x12	POT1612	POT1612U	\$3,227.00	300	4
16x14	POT1614	POT1614U	\$4,331.00	349	
16x16	POT1616	POT1616U	\$3,854.00	261	4
18x6	POT1806	POT1806U	\$3,080.00	348	
18x8	POT1808	POT1808U	\$2,875.00	325	
18x10	POT1810	POT1810U	\$3,044.00	344	
18x12	POT1812	POT1812U	POA	344	
18x14	POT1814	POT1814U	\$3,026.00	342	
18x16	POT1816	POT1816U	\$3,201.00	362	
18x18	POT1818	POT1818U	POA	377	
20x6	POT2006	POT2006U	\$3,139.00	355	
20x10	POT2010	POT2010U	\$3,264.00	369	
20x12	POT2012	POT2012U	POA	425	
20x14	POT2014	POT2014U	\$4,281.00	484	

*[All Fittings Supplied with Push-On Gaskets]*

\*Weights exclude accessories



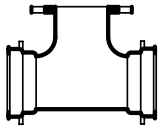
## C153 Ductile Iron Compact Push-On Fittings

Price List  
**PUSH-ON**

### IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
20x16	POT2016	POT2016U	\$5,392.00	510	
20x18	POT2018	POT2018U	\$4,764.00	539	
20x20	POT2020	POT2020U	POA	564	
24x6	POT2406	POT2406U	\$4,119.00	450	
24x8	POT2408	POT2408U	POA	492	
24x10	POT2410	POT2410U	\$4,227.00	478	
24x12	POT2412	POT2412U	\$5,861.00	541	
24x14	POT2414	POT2414U	\$4,790.00	542	
24x16	POT2416	POT2416U	\$5,004.00	566	
24x18	POT2418	POT2418U	\$5,243.00	593	2
24x20	POT2420	POT2420U	\$5,551.00	628	
24x24	POT2424	POT2424U	\$7,813.00	884	

### PO x FLG TEE



4x4	POFT0404	POFT0404U	\$352.00	42	24
6x4	POFT0604	POFT0604U	\$451.00	59	24
6x6	POFT0606	POFT0606U	\$472.00	67	24
8x4	POFT0804	POFT0804U	\$607.00	79	18
8x6	POFT0806	POFT0806U	\$614.00	85	18
8x8	POFT0808	POFT0808U	\$751.00	105	18
10x4	POFT1004	POFT1004U	\$816.00	97	18
10x6	POFT1006	POFT1006U	\$1,050.00	102	8
10x8	POFT1008	POFT1008U	\$1,164.00	128	8
10x10	POFT1010	POFT1010U	\$1,187.00	165	8
12x4	POFT1204	POFT1204U	\$1,050.00	125	12
12x6	POFT1206	POFT1206U	\$1,042.00	135	8
12x8	POFT1208	POFT1208U	\$1,240.00	155	8
12x10	POFT1210	POFT1210U	\$1,307.00	142	4
12x12	POFT1212	POFT1212U	\$1,767.00	210	4
14x6	POFT1406	POFT1406U	\$2,122.00	212	
14x8	POFT1408	POFT1408U	\$3,206.00	265	
14x10	POFT1410	POFT1410U	\$2,874.00	246	
14x12	POFT1412	POFT1412U	\$3,424.00	296	
14x14	POFT1414	POFT1414U	\$3,699.00	321	
16x6	POFT1606	POFT1606U	\$2,274.00	236	8
16x8	POFT1608	POFT1608U	\$2,816.00	269	8
16x10	POFT1610	POFT1610U	\$2,828.00	330	
16x12	POFT1612	POFT1612U	\$2,750.00	348	4
16x14	POFT1614	POFT1614U	\$3,925.00	342	
16x16	POFT1616	POFT1616U	\$4,071.00	355	4
18x6	POFT1806	POFT1806U	\$2,662.00	301	
18x8	POFT1808	POFT1808U	\$2,822.00	319	
18x10	POFT1810	POFT1810U	\$2,981.00	337	
18x14	POFT1814	POFT1814U	\$3,474.00	393	
18x16	POFT1816	POFT1816U	\$3,715.00	420	
20x6	POFT2006	POFT2006U	\$3,015.00	341	
20x10	POFT2010	POFT2010U	\$3,902.00	420	
20x14	POFT2014	POFT2014U	\$4,403.00	474	
20x16	POFT2016	POFT2016U	\$4,625.00	498	
20x18	POFT2018	POFT2018U	\$7,377.00	528	
24x6	POFT2406	POFT2406U	\$4,751.00	512	
24x8	POFT2408	POFT2408U	\$6,202.00	594	
24x10	POFT2410	POFT2410U	\$4,346.00	468	

[All Fittings Supplied with Push-On Gaskets]



\*Weights exclude accessories

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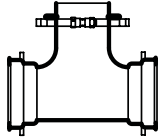
# C153 Ductile Iron Compact Push-On Fittings

Price List  
**PUSH-ON**

## IMP-UPL.21.03

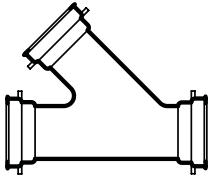
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
24x12	POFT2412	POFT2412U	\$4,670.00	503	
24x14	POFT2414	POFT2414U	\$4,927.00	531	
24x16	POFT2416	POFT2416U	\$5,153.00	555	

## PO x SWIVEL TEE



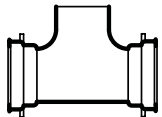
6x6	POTH0606	POTH0606U	\$501.00	65	24
8x6	POTH0806	POTH0806U	\$858.00	100	18
8x8	POTH0808	POTH0808U	\$945.00	110	
10x6	POTH1006	POTH1006U	\$1,117.00	130	
10x8	POTH1008	POTH1008U	\$1,339.00	156	
12x6	POTH1206	POTH1206U	\$1,350.00	162	8
12x8	POTH1208	POTH1208U	\$1,356.00	158	
14x6	POTH1406	POTH1406U	\$1,734.00	202	
16x6	POTH1606	POTH1606U	\$1,965.00	229	2
16x8	POTH1608	POTH1608U	\$2,502.00	292	
18x6	POTH1806	POTH1806U	\$3,080.00	348	
18x8	POTH1808	POTH1808U	\$2,865.00	324	
20x6	POTH2006	POTH2006U	\$3,536.00	400	
24x6	POTH2406	POTH2406U	\$4,640.00	525	48

## PO LATERAL



4x4	POL0404	POL0404U	\$308.00	53	
6x4	POL0604	POL0604U	\$704.00	76	8
6x6	POL0606	POL0606U	\$870.00	85	8
8x4	POL0804	POL0804U	\$877.00	89	
8x6	POL0806	POL0806U	\$1,197.00	120	8
8x8	POL0808	POL0808U	\$1,426.00	125	8
10x4	POL1004	POL1004U	\$997.00	141	
10x6	POL1006	POL1006U	\$1,302.00	151	
10x8	POL1008	POL1008U	\$1,724.00	175	
10x10	POL1010	POL1010U	\$1,548.00	200	4
12x4	POL1204	POL1204U	\$1,646.00	178	
12x6	POL1206	POL1206U	\$1,725.00	201	
12x8	POL1208	POL1208U	\$1,889.00	224	
12x10	POL1210	POL1210U	\$2,077.00	240	
12x12	POL1212	POL1212U	\$2,018.00	289	
14x6	POL1406	POL1406U	\$2,023.00	236	
14x8	POL1408	POL1408U	\$2,186.00	255	
14x10	POL1410	POL1410U	\$2,784.00	325	
14x14	POL1414	POL1414U	\$4,067.00	475	
16x6	POL1606	POL1606U	\$2,410.00	281	
16x8	POL1608	POL1608U	\$2,604.00	304	
16x12	POL1612	POL1612U	\$2,961.00	346	
16x16	POL1616	POL1616U	\$3,254.00	380	

## PO x PE TEE



6x6	POPT0606	POPT0606U	\$652.00	60	24
8x6	POPT0806	POPT0806U	\$992.00	80	8
12x6	POPT1206	POPT1206U	\$1,475.00	140	8

[All Fittings Supplied with Push-On Gaskets]



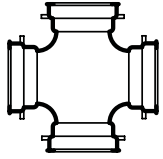
\*Weights exclude accessories

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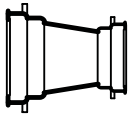
**C153 Ductile Iron Compact Push-On Fittings**Price List  
**PUSH-ON**

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
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**PO CROSS**

4x4	POX0404	POX0404U	\$521.00	56	
6x4	POX0604	POX0604U	\$614.00	69	
6x6	POX0606	POX0606U	\$568.00	83	12
8x4	POX0804	POX0804U	\$1,083.00	117	
8x6	POX0806	POX0806U	\$843.00	115	12
8x8	POX0808	POX0808U	\$953.00	128	12
10x4	POX1004	POX1004U	\$1,062.00	116	
10x6	POX1006	POX1006U	\$1,601.00		
10x8	POX1008	POX1008U	\$1,953.00	159	
10x10	POX1010	POX1010U	\$1,571.00	165	
12x8	POX1208	POX1208U	\$1,349.00	197	8
12x10	POX1210	POX1210U	\$1,784.00	195	
12x12	POX1212	POX1212U	\$1,821.00	241	
14x6	POX1406	POX1406U	\$1,624.00	189	
14x8	POX1408	POX1408U	\$1,750.00	204	
14x10	POX1410	POX1410U	\$1,903.00	222	
14x12	POX1412	POX1412U	\$2,050.00	239	
14x14	POX1414	POX1414U	\$2,314.00	270	
16x6	POX1606	POX1606U	\$2,007.00	234	
16x8	POX1608	POX1608U	\$2,767.00	323	
16x10	POX1610	POX1610U	POA	268	
16x12	POX1612	POX1612U	\$2,351.00	274	
16x14	POX1614	POX1614U	POA	322	
16x16	POX1616	POX1616U	\$2,715.00	317	
24x24	POX2424	POX2424U	POA	1178	

**PO REDUCER (CONCENTRIC)**

6x4	POR0604	POR0604U	\$226.00	23	50
8x4	POR0804	POR0804U	\$324.00	49	48
8x6	POR0806	POR0806U	\$329.00	52	48
10x4	POR1004	POR1004U	\$622.00	53	
10x6	POR1006	POR1006U	\$486.00	54	12
10x8	POR1008	POR1008U	\$539.00	84	18
12x4	POR1204	POR1204U	\$684.00	55	
12x6	POR1206	POR1206U	\$577.00	89	18
12x8	POR1208	POR1208U	\$627.00	96	18
12x10	POR1210	POR1210U	\$751.00	82	12
14x6	POR1406	POR1406U	\$630.00	84	
14x8	POR1408	POR1408U	\$639.00	85	
14x10	POR1410	POR1410U	\$655.00	87	
14x12	POR1412	POR1412U	\$779.00	104	
16x6	POR1606	POR1606U	\$1,322.00	144	4
16x8	POR1608	POR1608U	\$1,371.00	141	4
16x10	POR1610	POR1610U	\$1,342.00	145	
16x12	POR1612	POR1612U	\$1,416.00	135	4
16x14	POR1614	POR1614U	\$1,194.00	139	
18x8	POR1808	POR1808U	\$1,260.00	142	
18x10	POR1810	POR1810U	\$1,338.00	151	
18x12	POR1812	POR1812U	\$1,483.00	167	
18x14	POR1814	POR1814U	\$1,922.00	217	
18x16	POR1816	POR1816U	\$1,790.00	202	
20x10	POR2010	POR2010U	\$1,595.00	180	

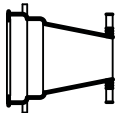
*[All Fittings Supplied with Push-On Gaskets]*

\*Weights exclude accessories

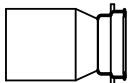
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**C153 Ductile Iron Compact Push-On Fittings**Price List  
**PUSH-ON****IMP-UPL.21.03**

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
20x12	POR2012	POR2012U	\$1,817.00	205	
20x14	POR2014	POR2014U	\$2,061.00	233	
20x16	POR2016	POR2016U	\$2,213.00	250	
20x18	POR2018	POR2018U	\$2,195.00	248	
24x12	POR2412	POR2412U	\$2,178.00	337	
24x14	POR2414	POR2414U	\$2,489.00	339	
24x16	POR2416	POR2416U	\$3,360.00	340	
24x18	POR2418	POR2418U	\$3,449.00	390	
24x20	POR2420	POR2420U	\$3,722.00	421	

**PO x FLG REDUCER**

Size	Item Code	Item Code	List Price	Weight*	Crate
4x3	POFR0403	POFR0403U	POA	23	
6x4	POFR0604	POFR0604U	\$282.00	32	16
8x4	POFR0804	POFR0804U	\$427.00	46	16
8x6	POFR0806	POFR0806U	\$414.00	47	16
10x4	POFR1004	POFR1004U	\$475.00	55	
10x6	POFR1006	POFR1006U	\$508.00	59	12
10x8	POFR1008	POFR1008U	\$841.00	61	18
12x4	POFR1204	POFR1204U	\$670.00	78	
12x6	POFR1206	POFR1206U	\$647.00	86	8
12x8	POFR1208	POFR1208U	\$639.00	91	8
12x10	POFR1210	POFR1210U	\$818.00	95	
14x6	POFR1406	POFR1406U	\$1,040.00	121	
14x8	POFR1408	POFR1408U	\$1,101.00	128	
14x10	POFR1410	POFR1410U	\$1,093.00	127	
14x12	POFR1412	POFR1412U	\$1,237.00	144	
16x6	POFR1606	POFR1606U	\$1,143.00	133	
16x8	POFR1608	POFR1608U	\$1,212.00	141	
16x10	POFR1610	POFR1610U	\$1,356.00	158	
16x12	POFR1612	POFR1612U	\$1,475.00	172	
16x14	POFR1614	POFR1614U	\$1,683.00	196	
18x8	POFR1808	POFR1808U	\$1,393.00	157	
18x10	POFR1810	POFR1810U	\$1,552.00	175	
18x12	POFR1812	POFR1812U	\$1,906.00	215	
18x14	POFR1814	POFR1814U	\$2,072.00	234	
18x16	POFR1816	POFR1816U	\$2,178.00	246	
20x10	POFR2010	POFR2010U	\$2,072.00	234	
20x14	POFR2014	POFR2014U	\$2,206.00	249	
20x16	POFR2016	POFR2016U	\$2,406.00	272	
24x12	POFR2412	POFR2412U	\$2,319.00	262	
24x14	POFR2414	POFR2414U	\$2,785.00	315	
24x16	POFR2416	POFR2416U	\$2,902.00	328	

**PO SMALL END BELL (SEB) REDUCER**

Size	Item Code	Item Code	List Price	Weight*
6x4	PORS0604	PORS0604U	\$392.00	45
8x4	PORS0804	PORS0804U	\$306.00	
8x6	PORS0806	PORS0806U	\$371.00	44
12x6	PORS1206	PORS1206U	\$603.00	58
12x8	PORS1208	PORS1208U	\$688.00	81

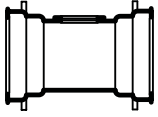
*[All Fittings Supplied with Push-On Gaskets]*

\*Weights exclude accessories

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**C153 Ductile Iron Compact Push-On Fittings**Price List  
**PUSH-ON****IMP-UPL.21.03**

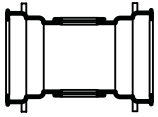
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
<b>PO TEE - TAPPED (2" TAP ONLY)</b>					
4	POT04T	POT04TU	\$288.00	27	
6	POT06T	POT06TU	\$379.00	38	24
8	POT08T	POT08TU	\$560.00	59	15
10	POT10T	POT10TU	\$670.00	72	
12	POT12T	POT12TU	\$843.00	92	



The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.

**PO TAPPED CROSS (2" TAP ONLY)**

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
<b>PO TAPPED CROSS (2" TAP ONLY)</b>					
4	POX0404T	POX0404TU	POA	27	
6	POX0606T	POX0606TU	POA	38	
8	POX0808T	POX0808TU	POA	59	
10	POX1010T	POX1010TU	POA	72	
12	POX1212T	POX1212TU	POA	92	



The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.

**PO PLUG - SOLID**

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
<b>PO PLUG - SOLID</b>					
4	POP04	POP04U	\$78.00	10	100
6	POP06	POP06U	\$126.00	18	80
8	POP08	POP08U	\$170.00	25	80
10	POP10	POP10U	\$264.00	34	45
12	POP12	POP12U	\$302.00	45	45
14	POP14	POP14U	\$1,046.00	74	
16	POP16	POP16U	\$3,010.00	86	8
18	POP18	POP18U	\$2,874.00	120	
20	POP20	POP20U	\$2,473.00	145	
24	POP24	POP24U	\$3,478.00	204	4

**PO PLUG - TAPPED (2" TAP)**

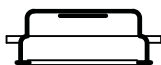
Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
<b>PO PLUG - TAPPED (2" TAP)</b>					
4	POP04T	POP04TU	\$110.00	10	100
6	POP06T	POP06TU	\$179.00	18	80
8	POP08T	POP08TU	\$221.00	25	96
10	POP10T	POP10TU	\$315.00	34	45
12	POP12T	POP12TU	\$352.00	45	45
14	POP14T	POP14TU	\$1,228.00	74	
16	POP16T	POP16TU	\$3,537.00	86	8
18	POP18T	POP18TU	\$3,378.00	120	
20	POP20T	POP20TU	\$2,907.00	145	
24	POP24T	POP24TU	\$3,085.00	204	4



The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.

**PO CAP - SOLID**

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
<b>PO CAP - SOLID</b>					
4	POC04	POC04U	\$101.00	10	100
6	POC06	POC06U	\$154.00	18	64
8	POC08	POC08U	\$237.00	25	96
10	POC10	POC10U	\$303.00	34	36

*[All Fittings Supplied with Push-On Gaskets]*

\*Weights exclude accessories

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## C153 Ductile Iron Compact Push-On Fittings

Price List  
**PUSH-ON**

### IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Black Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
12	POC12	POC12U	\$443.00	45	24
14	POC14	POC14U	POA	70	
16	POC16	POC16U	POA	98	12
18	POC18	POC18U	POA	120	
20	POC20	POC20U	POA	150	
24	POC24	POC24U	POA	216	4

### PO CAP - TAPPED (2" TAP)



4	POC04T	POC04TU	\$152.00	10	100
6	POC06T	POC06TU	\$206.00	18	64
8	POC08T	POC08TU	\$288.00	25	96
10	POC10T	POC10TU	\$356.00	34	60
12	POC12T	POC12TU	\$492.00	45	24
14	POC14T	POC14TU	POA	70	
16	POC16T	POC16TU	POA	98	12
18	POC18T	POC18TU	POA	120	
20	POC20T	POC20TU	POA	150	
24	POC24T	POC24TU	POA	216	4

The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.

### PUSH-ON HYDRANT BURY

16x6	HBPO16LR06	HBPO16LR06U	POA	86	
24x6	HBPO2406	HBPO2406U	POA	97	
30x6	HBPO3006	HBPO3006U	POA	106	
36x6	HBPO3606	HBPO3606U	POA	132	
42x6	HBPO4206	HBPO4206U	POA	144	
48x6	HBPO4806	HBPO4806U	POA	156	
54x6	HBPO5406	HBPO5406U	POA	170	

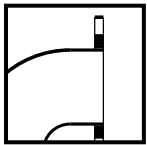
[All Fittings Supplied with Push-On Gaskets]



\*Weights exclude accessories



## IMPORT PRICE LIST



# C110 DI FLANGE FITTINGS

ANSI/AWWA C110/A21.10

version: **IMP-UPL.21.03**

EFFECTIVE: JUNE 1, 2021  
(SUPERSEDES ALL PREVIOUS PRICING)

**WEST COAST (U.S.)**

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Fax: (951) 898-9561

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Certified to  
ISO 9001:2015

Star Pipe Products  
4018 Westhollow Parkway  
Houston, Texas 77082  
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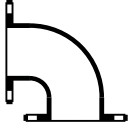


# C110 Ductile Iron Flange Full Body Fittings

## Price List FLANGE FULL BODY

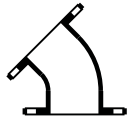
IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
<b>90° (1/4) BEND FLANGED</b>					
2	FBD9002	FBD9002U	\$136.00	14	45
3	FBD9003	FBD9003U	\$157.00	25	48
4	FBD9004	FBD9004U	\$243.00	45	36
5	FBD9005	FBD9005U	POA	60	
6	FBD9006	FBD9006U	\$376.00	65	24
8	FBD9008	FBD9008U	\$614.00	105	12
10	FBD9010	FBD9010U	\$975.00	165	8
12	FBD9012	FBD9012U	\$1,267.00	235	4
14	FBD9014	FBD9014U	\$1,667.00	290	2
16	FBD9016	FBD9016U	\$2,055.00	370	2
18	FBD9018	FBD9018U	\$2,865.00	450	
20	FBD9020	FBD9020U	\$3,505.00	580	
24	FBD9024	FBD9024U	\$5,775.00	900	
30	FBD9030	FBD9030U	\$10,175.00	1430	
36	FBD9036	FBD9036U	\$14,911.00	2135	
42	FBD9042	FBD9042U	\$26,008.00	3055	
48	FBD9048	FBD9048U	\$34,860.00	4095	
54	FBD9054	FBD9054U	POA	3740	
64	FBD9064	FBD9064U	POA	6745	



### 45° (1/8) BEND FLANGED

2	FBD4502	FBD4502U	\$146.00	12	32
3	FBD4503	FBD4503U	\$122.00	20	32
4	FBD4504	FBD4504U	\$217.00	40	24
5	FBD4505	FBD4505U	POA	50	
6	FBD4506	FBD4506U	\$334.00	55	12
8	FBD4508	FBD4508U	\$507.00	90	12
10	FBD4510	FBD4510U	\$820.00	130	8
12	FBD4512	FBD4512U	\$1,071.00	195	4
14	FBD4514	FBD4514U	\$1,267.00	220	2
16	FBD4516	FBD4516U	\$1,612.00	280	2
18	FBD4518	FBD4518U	\$2,251.00	325	
20	FBD4520	FBD4520U	\$2,945.00	430	
24	FBD4524	FBD4524U	\$4,089.00	630	
30	FBD4530	FBD4530U	\$8,941.00	1120	
36	FBD4536	FBD4536U	\$14,011.00	1755	
42	FBD4542	FBD4542U	\$22,131.00	2600	
48	FBD4548	FBD4548U	\$30,477.00	3580	



### 22 1/2° (1/16) BEND FLANGED

2	FBD2202	FBD2202U	\$197.00	12	
3	FBD2203	FBD2203U	\$138.00	20	12
4	FBD2204	FBD2204U	\$216.00	40	12
6	FBD2206	FBD2206U	\$318.00	55	12
8	FBD2208	FBD2208U	\$496.00	90	12
10	FBD2210	FBD2210U	\$784.00	135	4
12	FBD2212	FBD2212U	\$1,149.00	205	4
14	FBD2214	FBD2214U	\$1,512.00	225	2
16	FBD2216	FBD2216U	\$1,666.00	285	
18	FBD2218	FBD2218U	\$2,320.00	335	
20	FBD2220	FBD2220U	\$3,244.00	435	
24	FBD2224	FBD2224U	\$4,770.00	640	



\*Weights exclude accessories

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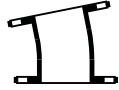
**C110 Ductile Iron Flange Full Body Fittings**

Price List

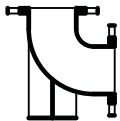
**FLANGE FULL BODY**

IMP-UPL.21.03

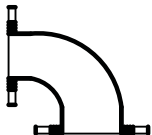
Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
30	FBD2230	FBD2230U	\$9,061.00	1135	
36	FBD2236	FBD2236U	\$14,291.00	1790	
42	FBD2242	FBD2242U	\$22,688.00	2665	
48	FBD2248	FBD2248U	\$31,201.00	3665	

**11 1/4° (1/32) BEND FLANGED**

2	FBD1102	FBD1102U	\$197.00	12	
3	FBD1103	FBD1103U	\$138.00	20	12
4	FBD1104	FBD1104U	\$259.00	40	12
6	FBD1106	FBD1106U	\$401.00	55	9
8	FBD1108	FBD1108U	\$529.00	90	9
10	FBD1110	FBD1110U	\$909.00	135	8
12	FBD1112	FBD1112U	\$1,381.00	205	4
14	FBD1114	FBD1114U	\$1,572.00	225	
16	FBD1116	FBD1116U	\$1,914.00	285	2
18	FBD1118	FBD1118U	\$2,320.00	335	2
20	FBD1120	FBD1120U	\$3,244.00	435	
24	FBD1124	FBD1124U	\$5,012.00	645	
30	FBD1130	FBD1130U	\$9,182.00	1150	
36	FBD1136	FBD1136U	\$14,409.00	1805	
42	FBD1142	FBD1142U	\$22,816.00	2680	
48	FBD1148	FBD1148U	\$31,455.00	3695	

**90° (1/4) BASE BEND FLANGED**

3	FBBD9003	FBBD9003U	\$238.00	35	18
4	FBBD9004	FBBD9004U	\$371.00	55	16
6	FBBD9006	FBBD9006U	\$526.00	85	9
8	FBBD9008	FBBD9008U	\$1,021.00	145	9
10	FBBD9010	FBBD9010U	\$1,410.00	210	4
12	FBBD9012	FBBD9012U	\$2,005.00	300	4
14	FBBD9014	FBBD9014U	\$2,417.00	360	2
16	FBBD9016	FBBD9016U	\$2,986.00	445	
18	FBBD9018	FBBD9018U	\$3,914.00	565	
20	FBBD9020	FBBD9020U	\$5,217.00	700	
24	FBBD9024	FBBD9024U	\$7,674.00	1030	
30	FBBD9030	FBBD9030U	\$12,970.00	1625	
36	FBBD9036	FBBD9036U	\$19,037.00	2385	
42	FBBD9042	FBBD9042U	\$36,689.00	3465	
48	FBBD9048	FBBD9048U	\$39,244.00	4610	
54	FBBD9054	FBBD9054U	POA	4415	

**90° (1/4) REDUCING BEND FLANGED**

4x3	FBRD900403	FBRD900403U	\$200.00	35	24
6x3	FBRD900603	FBRD900603U	\$378.00		
6x4	FBRD900604	FBRD900604U	\$371.00	55	24
6x5	FBRD900605	FBRD900605U	\$378.00		
8x4	FBRD900804	FBRD900804U	\$507.00	80	9
8x5	FBRD900805	FBRD900805U	\$817.00	97	20
8x6	FBRD900806	FBRD900806U	\$576.00	90	12
10x4	FBRD901004	FBRD901004U	\$876.00	120	4
10x6	FBRD901006	FBRD901006U	\$909.00	125	4
10x8	FBRD901008	FBRD901008U	\$1,010.00	150	8

\*Weights exclude accessories

Certified to  
ISO 9001:2015



# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
12x4	FBRD901204	FBRD901204U	\$943.00		
12x6	FBRD901206	FBRD901206U	\$1,076.00	165	4
12x8	FBRD901208	FBRD901208U	\$1,280.00	190	4
12x10	FBRD901210	FBRD901210U	\$1,342.00	220	4
14x6	FBRD901406	FBRD901406U	\$1,280.00	190	
14x8	FBRD901408	FBRD901408U	\$1,445.00	200	2
14x10	FBRD901410	FBRD901410U	\$1,612.00	279	2
14x12	FBRD901412	FBRD901412U	\$1,815.00	284	2
16x6	FBRD901606	FBRD901606U	\$1,476.00	220	
16x8	FBRD901608	FBRD901608U	\$1,612.00	240	2
16x10	FBRD901610	FBRD901610U	\$1,879.00	280	2
16x12	FBRD901612	FBRD901612U	\$2,080.00	310	2
16x14	FBRD901614	FBRD901614U	\$2,248.00	330	
18x6	FBRD901806	FBRD901806U	\$1,802.00	260	
18x8	FBRD901808	FBRD901808U	\$2,251.00	280	
18x10	FBRD901810	FBRD901810U	\$2,288.00	320	
18x12	FBRD901812	FBRD901812U	\$2,427.00	350	
18x14	FBRD901814	FBRD901814U	\$2,668.00	370	
18x16	FBRD901816	FBRD901816U	\$2,908.00	410	
20x6	FBRD902006	FBRD902006U	\$2,388.00	320	
20x8	FBRD902008	FBRD902008U	\$2,575.00	345	
20x10	FBRD902010	FBRD902010U	\$3,319.00	385	
20x12	FBRD902012	FBRD902012U	\$3,447.00	415	
20x14	FBRD902014	FBRD902014U	\$3,863.00	491	
20x16	FBRD902016	FBRD902016U	\$3,692.00	475	
20x18	FBRD902018	FBRD902018U	\$3,916.00	515	
24x6	FBRD902406	FBRD902406U	\$3,579.00	480	
24x8	FBRD902408	FBRD902408U	\$3,767.00	505	
24x10	FBRD902410	FBRD902410U	\$4,063.00	545	
24x12	FBRD902412	FBRD902412U	\$4,287.00	575	
24x14	FBRD902414	FBRD902414U	\$4,735.00	595	
24x16	FBRD902416	FBRD902416U	\$5,106.00	635	
24x18	FBRD902418	FBRD902418U	\$5,180.00	675	
24x20	FBRD902420	FBRD902420U	\$5,515.00	698	
30x12	FBRD903012	FBRD903012U	\$6,705.00	840	
30x14	FBRD903014	FBRD903014U	\$8,174.00	860	
30x16	FBRD903016	FBRD903016U	\$7,185.00	900	
30x18	FBRD903018	FBRD903018U	\$11,207.00	940	
30x20	FBRD903020	FBRD903020U	\$11,843.00	1005	
30x24	FBRD903024	FBRD903024U	\$9,622.00	1165	
36x12	FBRD903612	FBRD903612U	\$9,540.00		
36x14	FBRD903614	FBRD903614U	\$12,690.00		
36x16	FBRD903616	FBRD903616U	\$10,020.00		
36x18	FBRD903618	FBRD903618U	\$13,407.00		
36x20	FBRD903620	FBRD903620U	\$13,856.00	1360	
36x24	FBRD903624	FBRD903624U	\$12,654.00	1520	
36x30	FBRD903630	FBRD903630U	\$14,687.00	1785	
42x14	FBRD904214	FBRD904214U	\$17,647.00		
42x16	FBRD904216	FBRD904216U	\$14,603.00		
42x18	FBRD904218	FBRD904218U	\$20,090.00		
42x20	FBRD904220	FBRD904220U	\$19,633.00		
42x24	FBRD904224	FBRD904224U	\$16,859.00		
42x30	FBRD904230	FBRD904230U	\$19,965.00	2245	
42x36	FBRD904236	FBRD904236U	\$28,860.00		

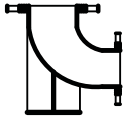
\*Weights exclude accessories

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**C110 Ductile Iron Flange Full Body Fittings****Price List  
FLANGE FULL BODY**

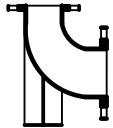
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Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
48x12	FBRD904812	FBRD904812U	\$18,517.00		
48x14	FBRD904814	FBRD904814U	\$22,791.00		
48x16	FBRD904816	FBRD904816U	\$19,027.00		
48x18	FBRD904818	FBRD904818U	\$28,143.00		
48x20	FBRD904820	FBRD904820U	\$30,591.00		
48x24	FBRD904824	FBRD904824U	\$27,583.00		
48x30	FBRD904830	FBRD904830U	\$29,967.00		
48x36	FBRD904836	FBRD904836U	\$30,800.00		
48x42	FBRD904842	FBRD904842U	\$39,880.00	3580	

**90° (1/4) REDUCING BASE BEND FLANGED (W/ BASE UNDER LARGE END)\***

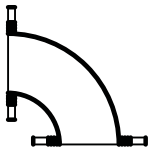
Size (inches)	Item Code	Item Code	List Price	Weight* (lbs.)	Crate Quantity
4x3	FBBLD900403	FBBLD900403U	POA	45	
6x4	FBBLD900604	FBBLD900604U	POA	75	24
8x4	FBBLD900804	FBBLD900804U	POA	115	
8x6	FBBLD900806	FBBLD900806U	POA	135	
10x6	FBBLD901006	FBBLD901006U	POA	170	
10x8	FBBLD901008	FBBLD901008U	POA	195	4
12x6	FBBLD901206	FBBLD901206U	POA	230	4
12x8	FBBLD901208	FBBLD901208U	POA	255	2
12x10	FBBLD901210	FBBLD901210U	POA	285	2

\*Additional size reductions can be furnished.

**90° (1/4) REDUCING BASE BEND FLANGED (W/ BASE UNDER SMALL END)\***

Size (inches)	Item Code	Item Code	List Price	Weight* (lbs.)	Crate Quantity
4x3	FBBSD900403	FBBSD900403U	POA	45	
6x4	FBBSD900604	FBBSD900604U	POA	75	
8x4	FBBSD900804	FBBSD900804U	POA	115	48
8x6	FBBSD900806	FBBSD900806U	POA	135	
10x6	FBBSD900106	FBBSD900106U	POA	170	
10x8	FBBSD900108	FBBSD900108U	POA	195	
12x6	FBBSD901206	FBBSD901206U	POA	230	
12x8	FBBSD901208	FBBSD901208U	POA	255	
12x10	FBBSD901210	FBBSD901210U	POA	285	

\*Additional size reductions can be furnished.

**90° (1/4) LONG RADIUS BEND FLANGED**

Size (inches)	Item Code	Item Code	List Price	Weight* (lbs.)	Crate Quantity
3	FBLRD9003	FBLRD9003U	\$206.00	30	24
4	FBLRD9004	FBLRD9004U	\$340.00	50	24
5	FBLRD9005	FBLRD9005U	POA	75	
6	FBLRD9006	FBLRD9006U	\$590.00	80	12
8	FBLRD9008	FBLRD9008U	\$977.00	140	9
10	FBLRD9010	FBLRD9010U	\$1,445.00	215	4
12	FBLRD9012	FBLRD9012U	\$2,180.00	325	2
14	FBLRD9014	FBLRD9014U	\$2,585.00	580	
16	FBLRD9016	FBLRD9016U	\$3,389.00	740	
18	FBLRD9018	FBLRD9018U	\$4,362.00	840	
20	FBLRD9020	FBLRD9020U	\$6,039.00	928	
24	FBLRD9024	FBLRD9024U	\$9,239.00	1640	
30	FBLRD9030	FBLRD9030U	\$16,802.00	2105	
36	FBLRD9036	FBLRD9036U	\$26,219.00	3285	
42	FBLRD9042	FBLRD9042U	\$41,415.00	4865	
48	FBLRD9048	FBLRD9048U	\$57,801.00	7800	

\*Weights exclude accessories

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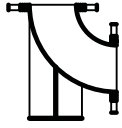


# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

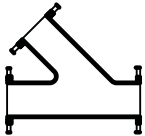
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Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
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## 90° (1/4) LONG RADIUS BASE BEND FLANGED

3	FBBLRD9003	FBBLRD9003U	\$259.00	38	
4	FBBLRD9004	FBBLRD9004U	\$405.00	60	
6	FBBLRD9006	FBBLRD9006U	\$672.00	100	
8	FBBLRD9008	FBBLRD9008U	\$1,211.00	180	
10	FBBLRD9010	FBBLRD9010U	\$1,745.00	315	
12	FBBLRD9012	FBBLRD9012U	\$2,798.00	427	
14	FBBLRD9014	FBBLRD9014U	\$2,798.00	400	
16	FBBLRD9016	FBBLRD9016U	\$4,960.00	525	48
18	FBBLRD9018	FBBLRD9018U	\$5,535.00	750	
20	FBBLRD9020	FBBLRD9020U	\$7,341.00	875	
24	FBBLRD9024	FBBLRD9024U	\$10,655.00	1250	
30	FBBLRD9030	FBBLRD9030U	\$19,154.00	2400	
36	FBBLRD9036	FBBLRD9036U	\$29,369.00	3680	
42	FBBLRD9042	FBBLRD9042U	\$46,947.00	5515	
48	FBBLRD9048	FBBLRD9048U	\$64,989.00	7635	



## LATERAL FLANGED\*

3x3	FYD0303	FYD0303U	\$308.00	45	12
4x2	FYD0402	FYD0402U	\$371.00		
4x3	FYD0403	FYD0403U	\$443.00	65	12
4x4	FYD0404	FYD0404U	\$409.00	75	12
6x3	FYD0603	FYD0603U	\$672.00		
6x4	FYD0604	FYD0604U	\$774.00	105	4
6x6	FYD0606	FYD0606U	\$655.00	120	8
8x4	FYD0804	FYD0804U	\$1,211.00	165	4
8x6	FYD0806	FYD0806U	\$1,159.00	175	8
8x8	FYD0808	FYD0808U	\$1,071.00	200	6
10x4	FYD1004	FYD1004U	\$1,745.00	240	4
10x6	FYD1006	FYD1006U	\$1,815.00	250	4
10x8	FYD1008	FYD1008U	\$1,982.00	335	4
10x10	FYD1010	FYD1010U	\$1,719.00	335	2
12x4	FYD1204	FYD1204U	\$2,549.00	350	
12x6	FYD1206	FYD1206U	\$2,652.00	370	2
12x8	FYD1208	FYD1208U	\$2,617.00	395	2
12x10	FYD1210	FYD1210U	\$3,053.00	420	2
12x12	FYD1212	FYD1212U	\$2,629.00	515	2
14x6	FYD1406	FYD1406U	\$3,488.00	500	
14x8	FYD1408	FYD1408U	\$3,656.00	525	
14x10	FYD1410	FYD1410U	\$3,522.00	555	
14x12	FYD1412	FYD1412U	\$4,157.00	600	
14x14	FYD1414	FYD1414U	\$4,058.00	640	2
16x6	FYD1606	FYD1606U	\$4,157.00	655	
16x8	FYD1608	FYD1608U	\$4,758.00	680	
16x10	FYD1610	FYD1610U	\$4,960.00	715	
16x12	FYD1612	FYD1612U	\$4,793.00	755	
16x14	FYD1614	FYD1614U	\$5,564.00	800	
16x16	FYD1616	FYD1616U	\$5,400.00	850	
18x6	FYD1806	FYD1806U	\$3,117.00		
18x8	FYD1808	FYD1808U	\$4,328.00	600	
18x10	FYD1810	FYD1810U	\$6,126.00	855	
18x12	FYD1812	FYD1812U	\$6,437.00	895	
18x14	FYD1814	FYD1814U	\$6,750.00	940	

\*Weights exclude accessories

Certified to  
ISO 9001:2015



# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
18x16	FYD1816	FYD1816U	\$7,094.00	990	
18x18	FYD1818	FYD1818U	\$6,781.00	1035	
20x8	FYD2008	FYD2008U	\$5,515.00		
20x10	FYD2010	FYD2010U	\$6,002.00	775	
20x12	FYD2012	FYD2012U	\$8,273.00	1130	
20x14	FYD2014	FYD2014U	\$9,056.00	1170	
20x16	FYD2016	FYD2016U	\$9,463.00	1220	
20x18	FYD2018	FYD2018U	\$8,941.00		
20x20	FYD2020	FYD2020U	\$9,427.00	1345	
24x6	FYD2406	FYD2406U	\$7,900.00		
24x8	FYD2408	FYD2408U	\$8,048.00		
24x10	FYD2410	FYD2410U	\$11,214.00		
24x12	FYD2412	FYD2412U	\$8,941.00	1550	
24x14	FYD2414	FYD2414U	\$13,037.00		
24x16	FYD2416	FYD2416U	\$14,080.00	1890	
24x18	FYD2418	FYD2418U	\$13,823.00		
24x20	FYD2420	FYD2420U	\$13,037.00		
24x24	FYD2424	FYD2424U	\$14,193.00	2020	
30x12	FYD3012	FYD3012U	\$22,309.00		
30x14	FYD3014	FYD3014U	\$22,749.00		
30x16	FYD3016	FYD3016U	\$23,187.00	2634	
30x18	FYD3018	FYD3018U	\$23,625.00		
30x20	FYD3020	FYD3020U	\$24,261.00		
30x24	FYD3024	FYD3024U	\$25,580.00	2915	
30x30	FYD3030	FYD3030U	\$25,739.00	4130	
36x12	FYD3612	FYD3612U	\$35,835.00		
36x14	FYD3614	FYD3614U	\$36,273.00		
36x16	FYD3616	FYD3616U	\$35,557.00	4670	
36x18	FYD3618	FYD3618U	\$37,271.00		
36x20	FYD3620	FYD3620U	\$36,513.00		
36x24	FYD3624	FYD3624U	\$37,710.00		
36x30	FYD3630	FYD3630U	\$41,498.00		
36x36	FYD3636	FYD3636U	\$45,807.00	5740	
42x12	FYD4212	FYD4212U	\$48,733.00		
42x14	FYD4214	FYD4214U	\$49,370.00		
42x16	FYD4216	FYD4216U	\$49,796.00		
42x18	FYD4218	FYD4218U	\$51,074.00		
42x20	FYD4220	FYD4220U	\$52,012.00		
42x24	FYD4224	FYD4224U	\$53,245.00		
42x30	FYD4230	FYD4230U	\$58,354.00		
42x36	FYD4236	FYD4236U	\$65,120.00		
42x42	FYD4242	FYD4242U	\$78,055.00	9185	
48x12	FYD4812	FYD4812U	\$61,288.00		
48x14	FYD4814	FYD4814U	\$61,927.00		
48x16	FYD4816	FYD4816U	\$62,990.00		
48x18	FYD4818	FYD4818U	\$64,862.00		
48x20	FYD4820	FYD4820U	\$65,416.00		
48x24	FYD4824	FYD4824U	\$58,226.00		
48x30	FYD4830	FYD4830U	\$68,225.00	5573	
48x36	FYD4836	FYD4836U	\$76,354.00	8970	
48x42	FYD4842	FYD4842U	\$93,718.00		
48x48	FYD4848	FYD4848U	\$102,996.00	12115	

\*Additional size reductions can be furnished.



\*Weights exclude accessories



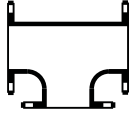
# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
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## TEE FLANGED



2x2	FTD0202	FTD0202U	\$170.00	20	36
2½ x 2½	FTD02.5	FTD02.5U	POA	30	36
3x2	FTD0302	FTD0302U	\$238.00	35	36
3x3	FTD0303	FTD0303U	\$224.00	40	32
4x3x3	FTD040303	FTD040303U	POA	55	
4x2	FTD0402	FTD0402U	\$340.00	50	9
4x3	FTD0403	FTD0403U	\$405.00	60	9
4x4x6	FTD040406	FTD040406U	\$864.00	90	6
4x4	FTD0404	FTD0404U	\$443.00	65	32
5x5	FTD0505	FTD0505U	POA	80	32
6x2	FTD0602	FTD0602U	\$576.00	156	12
6x3	FTD0603	FTD0603U	\$576.00	85	12
6x4	FTD0604	FTD0604U	\$608.00	90	9
6x4x4	FTD060404	FTD060404U	\$608.00	103	9
6x4x6	FTD060406	FTD060406U	\$608.00	108	12
6x6x8	FTD060608	FTD060608U	\$951.00	140	12
6x6	FTD0606	FTD0606U	\$550.00	95	18
8x3	FTD0803	FTD0803U	\$929.00	130	12
8x4	FTD0804	FTD0804U	\$852.00	140	12
8x6	FTD0806	FTD0806U	\$791.00	145	12
8x6x4	FTD080604	FTD080604U	\$843.00	146	
8x6x6	FTD080606	FTD080606U	\$977.00	148	
8x6x8	FTD080608	FTD080608U	\$1,076.00	145	12
8x8x10	FTD080810	FTD080810U	\$1,745.00	260	4
8x8x12	FTD080812	FTD080812U	\$1,700.00	291	
8x8	FTD0808	FTD0808U	\$916.00	155	12
10x6x6	FTD100606	FTD100606U	\$1,973.00	275	
10x6x10	FTD100610	FTD100610U	\$1,891.00	305	
10x8x6	FTD100806	FTD100806U	\$1,987.00	280	
10x8x8	FTD100808	FTD100808U	\$2,096.00	302	
10x8x10	FTD100810	FTD100810U	\$2,149.00	325	
10x4	FTD1004	FTD1004U	\$1,222.00	205	4
10x6	FTD1006	FTD1006U	\$1,142.00	215	4
10x8	FTD1008	FTD1008U	\$1,197.00	225	4
10x10	FTD1010	FTD1010U	\$1,392.00	270	4
10x10x12	FTD101012	FTD101012U	\$2,518.00	355	
12x6x6	FTD120606	FTD120606U	\$2,454.00	340	
12x6x8	FTD120608	FTD120608U	\$2,570.00	360	
12x8x6	FTD120806	FTD120806U	\$2,518.00	355	
12x8x8	FTD120808	FTD120808U	\$2,659.00	375	
12x8x12	FTD120812	FTD120812U	\$2,980.00	420	
12x10x6	FTD121006	FTD121006U	\$2,397.00	390	
12x10x8	FTD121008	FTD121008U	\$2,837.00	400	
12x10x10	FTD121010	FTD121010U	\$2,980.00	420	4
12x10x12	FTD121012	FTD121012U	\$3,120.00	440	
12x4	FTD1204	FTD1204U	\$1,660.00	290	4
12x6	FTD1206	FTD1206U	\$1,596.00	295	4
12x8	FTD1208	FTD1208U	\$1,681.00	310	4
12x10	FTD1210	FTD1210U	\$2,003.00	360	4
12x12	FTD1212	FTD1212U	\$2,021.00	385	4
14x4	FTD1404	FTD1404U	POA	370	
14x6	FTD1406	FTD1406U	\$2,517.00	375	2

\*Weights exclude accessories

Certified to  
ISO 9001:2015



# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
14x8	FTD1408	FTD1408U	\$2,617.00	390	2
14x10	FTD1410	FTD1410U	\$2,683.00	400	2
14x12	FTD1412	FTD1412U	\$2,850.00	425	2
14x14	FTD1414	FTD1414U	\$2,918.00	435	2
16x4	FTD1604	FTD1604U	\$4,403.00	460	2
16x6	FTD1606	FTD1606U	\$2,897.00	465	2
16x8	FTD1608	FTD1608U	\$2,801.00	475	2
16x10	FTD1610	FTD1610U	\$3,290.00	495	2
16x12	FTD1612	FTD1612U	\$3,132.00	520	2
16x14	FTD1614	FTD1614U	\$3,555.00	530	2
16x16	FTD1616	FTD1616U	\$3,195.00	550	2
18x6	FTD1806	FTD1806U	\$2,921.00	480	2
18x8	FTD1808	FTD1808U	\$3,639.00	495	2
18x10	FTD1810	FTD1810U	\$3,532.00	510	
18x12	FTD1812	FTD1812U	\$3,885.00	535	
18x14	FTD1814	FTD1814U	\$4,292.00	630	
18x16	FTD1816	FTD1816U	\$4,500.00	650	
18x18	FTD1818	FTD1818U	\$4,106.00	665	
20x4	FTD2004	FTD2004U	POA	845	
20x6	FTD2006	FTD2006U	\$4,550.00	610	
20x8	FTD2008	FTD2008U	\$4,623.00	620	
20x10	FTD2010	FTD2010U	\$4,735.00	635	
20x12	FTD2012	FTD2012U	\$4,920.00	660	
20x14	FTD2014	FTD2014U	\$4,956.00	665	
20x16	FTD2016	FTD2016U	\$6,039.00	810	
20x18	FTD2018	FTD2018U	\$6,112.00	820	
20x20	FTD2020	FTD2020U	\$5,179.00	855	
24x4	FTD2404	FTD2404U	\$6,299.00	845	
24x6	FTD2406	FTD2406U	\$5,256.00	845	
24x8	FTD2408	FTD2408U	\$6,411.00	860	
24x10	FTD2410	FTD2410U	\$6,560.00	880	
24x12	FTD2412	FTD2412U	\$5,501.00	890	
24x14	FTD2414	FTD2414U	\$6,658.00	900	
24x16	FTD2416	FTD2416U	\$5,635.00	915	
24x18	FTD2418	FTD2418U	\$9,090.00	1220	
24x20	FTD2420	FTD2420U	\$9,352.00	1255	
24x24	FTD2424	FTD2424U	\$8,223.00	1330	
30x6	FTD3006	FTD3006U	\$11,617.00	1450	
30x8	FTD3008	FTD3008U	\$11,654.00	1465	
30x10	FTD3010	FTD3010U	\$11,896.00	1511	
30x12	FTD3012	FTD3012U	\$11,896.00	1490	
30x14	FTD3014	FTD3014U	\$11,896.00	1490	
30x16	FTD3016	FTD3016U	\$12,014.00	1505	
30x18	FTD3018	FTD3018U	\$12,095.00	1515	
30x20	FTD3020	FTD3020U	\$12,292.00	1540	
30x24	FTD3024	FTD3024U	\$16,164.00	2025	
30x30	FTD3030	FTD3030U	\$14,565.00	2150	
36x6	FTD3606	FTD3606U	\$15,965.00	2000	
36x8	FTD3608	FTD3608U	\$17,161.00	2150	
36x10	FTD3610	FTD3610U	\$17,201.00	2155	
36x12	FTD3612	FTD3612U	\$17,323.00	2170	
36x14	FTD3614	FTD3614U	\$17,362.00	2175	
36x16	FTD3616	FTD3616U	\$17,442.00	2185	
36x18	FTD3618	FTD3618U	\$17,481.00	2190	

\*Weights exclude accessories

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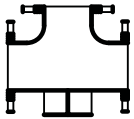
## C110 Ductile Iron Flange Full Body Fittings

## Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
36x20	FTD3620	FTD3620U	\$17,640.00	2210	
36x24	FTD3624	FTD3624U	\$18,002.00	2255	
36x24x24	FTD362424	FTD362424U	POA	2255	
36x30x30	FTD363030	FTD363030U	POA	2575	
36x30	FTD3630	FTD3630U	\$23,941.00	3000	
36x36	FTD3636	FTD3636U	\$21,720.00	3160	
36x36x48	FTD363648	FTD363648U	POA	4361	
42x12	FTD4212	FTD4212U	\$26,944.00	3165	
42x14	FTD4214	FTD4214U	\$26,987.00	3170	
42x16	FTD4216	FTD4216U	\$27,070.00	3180	
42x18	FTD4218	FTD4218U	\$27,112.00	3185	
42x20	FTD4220	FTD4220U	\$27,286.00	3205	
42x24	FTD4224	FTD4224U	\$27,625.00	3245	
42x30	FTD4230	FTD4230U	\$35,113.00	4125	
42x36	FTD4236	FTD4236U	\$45,626.00	5360	
42x42	FTD4242	FTD4242U	\$47,499.00	5580	
48x12	FTD4812	FTD4812U	\$36,734.00	4315	
48x14	FTD4814	FTD4814U	\$36,734.00	4315	
48x16	FTD4816	FTD4816U	\$36,860.00	4330	
48x18	FTD4818	FTD4818U	\$36,860.00	4330	
48x20	FTD4820	FTD4820U	\$37,031.00	4350	
48x24	FTD4824	FTD4824U	\$37,327.00	4385	
48x30	FTD4830	FTD4830U	\$37,925.00	4455	
48x36	FTD4836	FTD4836U	\$47,287.00	5555	
48x42	FTD4842	FTD4842U	\$61,246.00	7195	
48x48	FTD4848	FTD4848U	\$62,863.00	7385	

### BASE TEE, FLANGED



3x3	FBTD03	FBTD03U	\$308.00	45	36
4x3	FBTD0403	FBTD0403U	\$474.00		
4x4	FBTD04	FBTD04U	\$507.00	75	12
6x3	FBTD0603	FBTD0603U	\$672.00		
6x4	FBTD0604	FBTD0604U	\$710.00		
6x6	FBTD06	FBTD06U	\$740.00	110	18
8x4	FBTD0804	FBTD0804U	\$1,144.00		
8x6	FBTD0806	FBTD0806U	\$1,176.00		
8x8	FBTD08	FBTD08U	\$1,246.00	185	6
10x4	FBTD1004	FBTD1004U	\$1,579.00		
10x6	FBTD1006	FBTD1006U	\$1,646.00		
10x8	FBTD1008	FBTD1008U	\$1,713.00		
10x10	FBTD10	FBTD10U	\$2,014.00	300	6
12x4	FBTD1204	FBTD1204U	\$2,248.00		
12x6	FBTD1206	FBTD1206U	\$2,282.00		
12x8	FBTD1208	FBTD1208U	\$2,384.00		
12x10	FBTD1210	FBTD1210U	\$2,720.00		
12x12	FBTD12	FBTD12U	\$2,884.00	430	4
14x6	FBTD1406	FBTD1406U	\$2,850.00		
14x8	FBTD1408	FBTD1408U	\$2,952.00		
14x10	FBTD1410	FBTD1410U	\$3,019.00		
14x12	FBTD1412	FBTD1412U	\$3,187.00		
14x14	FBTD14	FBTD14U	\$3,254.00	485	2
16x6	FBTD1606	FBTD1606U	\$3,452.00		
16x8	FBTD1608	FBTD1608U	\$3,522.00		

\*Weights exclude accessories

Certified to  
ISO 9001:2015



# C110 Ductile Iron Flange Full Body Fittings

## Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
16x10	FBTD1610	FBTD1610U	\$3,656.00		
16x12	FBTD1612	FBTD1612U	\$3,822.00		
16x14	FBTD1614	FBTD1614U	\$3,891.00		
16x16	FBTD16	FBTD16U	\$4,024.00	600	
18x6	FBTD1806	FBTD1806U	\$3,843.00		
18x8	FBTD1808	FBTD1808U	\$3,946.00		
18x10	FBTD1810	FBTD1810U	\$4,053.00		
18x12	FBTD1812	FBTD1812U	\$4,224.00		
18x14	FBTD1814	FBTD1814U	\$4,882.00		
18x16	FBTD1816	FBTD1816U	\$5,020.00		
18x18	FBTD18	FBTD18U	\$5,121.00	740	
20x6	FBTD2006	FBTD2006U	\$5,106.00		
20x8	FBTD2008	FBTD2008U	\$5,180.00		
20x10	FBTD2010	FBTD2010U	\$5,292.00		
20x12	FBTD2012	FBTD2012U	\$5,479.00		
20x14	FBTD2014	FBTD2014U	\$5,515.00		
20x16	FBTD2016	FBTD2016U	\$6,596.00		
20x18	FBTD2018	FBTD2018U	\$6,670.00		
20x20	FBTD20	FBTD20U	\$6,930.00	930	
24x6	FBTD2406	FBTD2406U	\$6,893.00		
24x8	FBTD2408	FBTD2408U	\$7,004.00		
24x10	FBTD2410	FBTD2410U	\$7,154.00		
24x12	FBTD2412	FBTD2412U	\$7,229.00		
24x14	FBTD2414	FBTD2414U	\$7,303.00		
24x16	FBTD2416	FBTD2416U	\$7,415.00		
24x18	FBTD2418	FBTD2418U	\$9,686.00		
24x20	FBTD2420	FBTD2420U	\$9,949.00		
24x24	FBTD24	FBTD24U	\$10,506.00	1410	
30x12	FBTD3012	FBTD3012U	\$12,853.00		
30x14	FBTD3014	FBTD3014U	\$12,853.00		
30x16	FBTD3016	FBTD3016U	\$12,970.00		
30x18	FBTD3018	FBTD3018U	\$13,051.00		
30x20	FBTD3020	FBTD3020U	\$13,250.00		
30x24	FBTD3024	FBTD3024U	\$17,122.00		
30x30	FBTD30	FBTD30U	\$18,118.00	2270	
36x12	FBTD3612	FBTD3612U	\$18,597.00		
36x14	FBTD3614	FBTD3614U	\$18,637.00		
36x16	FBTD3616	FBTD3616U	\$18,717.00		
36x18	FBTD3618	FBTD3618U	\$18,758.00		
36x20	FBTD3620	FBTD3620U	\$18,918.00		
36x24	FBTD3624	FBTD3624U	\$19,276.00		
36x30	FBTD3630	FBTD3630U	\$25,220.00		
36x36	FBTD36	FBTD36U	\$26,496.00	3320	
42x12	FBTD4212	FBTD4212U	\$29,241.00		
42x14	FBTD4214	FBTD4214U	\$29,286.00		
42x16	FBTD4216	FBTD4216U	\$29,369.00		
42x18	FBTD4218	FBTD4218U	\$29,413.00		
42x20	FBTD4220	FBTD4220U	\$29,582.00		
42x24	FBTD4224	FBTD4224U	\$29,923.00		
42x30	FBTD4230	FBTD4230U	\$37,415.00		
42x36	FBTD4236	FBTD4236U	\$39,413.00		
42x42	FBTD42	FBTD42U	\$49,796.00	5850	
48x12	FBTD4812	FBTD4812U	\$39,584.00		
48x14	FBTD4814	FBTD4814U	\$39,584.00		

\*Weights exclude accessories

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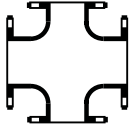
# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
48x16	FBTD4816	FBTD4816U	\$39,712.00		
48x18	FBTD4818	FBTD4818U	\$39,712.00		
48x20	FBTD4820	FBTD4820U	\$39,880.00		
48x24	FBTD4824	FBTD4824U	\$40,180.00		
48x30	FBTD4830	FBTD4830U	\$40,776.00		
48x36	FBTD4836	FBTD4836U	\$50,138.00		
48x42	FBTD4842	FBTD4842U	\$51,544.00		
48x48	FBTD48	FBTD48U	\$65,716.00	7720	

## CROSS FLANGED\*



Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
3x3	FXD0303	FXD0303U	\$340.00	50	4
4x3	FXD0403	FXD0403U	\$474.00	70	
4x4	FXD0404	FXD0404U	\$464.00	80	12
6x3	FXD0603	FXD0603U	\$641.00	95	
6x4	FXD0604	FXD0604U	\$740.00	110	4
6x6	FXD0606	FXD0606U	\$751.00	120	8
8x3	FXD0803	FXD0803U	POA	140	
8x4	FXD0804	FXD0804U	\$1,042.00	155	4
8x6	FXD0806	FXD0806U	\$1,110.00	165	4
8x8	FXD0808	FXD0808U	\$1,122.00	195	4
10x4	FXD1004	FXD1004U	\$1,476.00	220	8
10x6	FXD1006	FXD1006U	\$1,612.00	240	4
10x8	FXD1008	FXD1008U	\$1,779.00	265	4
10x10	FXD1010	FXD1010U	\$2,216.00	330	4
12x4	FXD1204	FXD1204U	\$2,080.00	310	4
12x6	FXD1206	FXD1206U	\$2,147.00	320	4
12x8	FXD1208	FXD1208U	\$2,315.00	345	2
12x10	FXD1210	FXD1210U	\$2,784.00	415	2
12x12	FXD1212	FXD1212U	\$2,508.00	460	2
14x6	FXD1406	FXD1406U	\$2,683.00	400	
14x8	FXD1408	FXD1408U	\$2,850.00	425	
14x10	FXD1410	FXD1410U	\$3,085.00	460	
14x12	FXD1412	FXD1412U	\$3,389.00	505	
14x14	FXD1414	FXD1414U	\$3,555.00	530	
16x6	FXD1606	FXD1606U	\$3,287.00	490	
16x8	FXD1608	FXD1608U	\$3,488.00	520	
16x10	FXD1610	FXD1610U	\$3,722.00	555	
16x12	FXD1612	FXD1612U	\$4,058.00	605	
16x14	FXD1614	FXD1614U	POA	620	
16x16	FXD1616	FXD1616U	\$4,460.00	665	
18x6	FXD1806	FXD1806U	\$3,499.00	505	
18x8	FXD1808	FXD1808U	\$3,704.00	535	
18x10	FXD1810	FXD1810U	\$3,877.00	560	
18x12	FXD1812	FXD1812U	\$4,224.00	610	
18x14	FXD1814	FXD1814U	\$4,982.00	720	
18x16	FXD1816	FXD1816U	\$5,296.00	765	
18x18	FXD1818	FXD1818U	\$5,504.00	795	
20x6	FXD2006	FXD2006U	\$4,735.00	635	
20x8	FXD2008	FXD2008U	\$4,956.00	665	
20x10	FXD2010	FXD2010U	\$5,106.00	685	
20x12	FXD2012	FXD2012U	\$5,479.00	735	
20x14	FXD2014	FXD2014U	\$5,554.00	745	
20x16	FXD2016	FXD2016U	\$6,820.00	915	

\*Weights exclude accessories

Certified to  
ISO 9001:2015



# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
20x18	FXD2018	FXD2018U	\$7,042.00	945	
20x20	FXD2020	FXD2020U	\$7,565.00	1015	
24x6	FXD2406	FXD2406U	\$6,523.00	875	
24x8	FXD2408	FXD2408U	\$6,670.00	895	
24x10	FXD2410	FXD2410U	\$6,930.00	930	
24x12	FXD2412	FXD2412U	\$7,154.00	960	
24x14	FXD2414	FXD2414U	\$7,265.00	975	
24x16	FXD2416	FXD2416U	\$7,528.00	1010	
24x18	FXD2418	FXD2418U	\$10,173.00	1365	
24x20	FXD2420	FXD2420U	\$10,655.00	1430	
24x24	FXD2424	FXD2424U	\$11,699.00	1570	
30x12	FXD3012	FXD3012U	\$12,494.00	1565	
30x14	FXD3014	FXD3014U	\$12,534.00	1570	
30x16	FXD3016	FXD3016U	\$12,813.00	1605	
30x18	FXD3018	FXD3018U	\$12,892.00	1615	
30x20	FXD3020	FXD3020U	\$13,332.00	1670	
30x24	FXD3024	FXD3024U	\$17,920.00	2245	
30x30	FXD3030	FXD3030U	\$19,954.00	2500	
36x12	FXD3612	FXD3612U	\$17,879.00	2240	
36x14	FXD3614	FXD3614U	\$17,879.00	2240	
36x16	FXD3616	FXD3616U	\$18,118.00	2270	
36x18	FXD3618	FXD3618U	\$18,198.00	2280	
36x20	FXD3620	FXD3620U	\$18,559.00	2325	
36x24	FXD3624	FXD3624U	\$19,196.00	2405	
36x30	FXD3630	FXD3630U	\$26,335.00	3300	
36x36	FXD3636	FXD3636U	\$28,890.00	3620	
42x12	FXD4212	FXD4212U	\$27,583.00		
42x14	FXD4214	FXD4214U	\$27,583.00		
42x16	FXD4216	FXD4216U	\$27,837.00		
42x18	FXD4218	FXD4218U	\$27,880.00		
42x20	FXD4220	FXD4220U	\$28,266.00		
42x24	FXD4224	FXD4224U	\$28,903.00		
42x30	FXD4230	FXD4230U	\$37,242.00		
42x36	FXD4236	FXD4236U	\$48,690.00	5720	
42x42	FXD4242	FXD4242U	\$52,396.00	6155	
48x12	FXD4812	FXD4812U	\$37,372.00		
48x14	FXD4814	FXD4814U	\$37,327.00		
48x16	FXD4816	FXD4816U	\$37,583.00		
48x18	FXD4818	FXD4818U	\$37,626.00		
48x20	FXD4820	FXD4820U	\$37,966.00		
48x24	FXD4824	FXD4824U	\$38,605.00		
48x30	FXD4830	FXD4830U	\$39,753.00		
48x36	FXD4836	FXD4836U	\$50,052.00		
48x42	FXD4842	FXD4842U	\$64,947.00		
48x48	FXD4848	FXD4848U	\$68,140.00	8005	

\*Additional size reductions can be furnished.



\*Weights exclude accessories



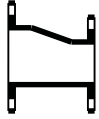
# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
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## ECCENTRIC REDUCER FLANGED



3x2	FERD0302	FERD0302U	\$114.00	16	
4x2	FERD0402	FERD0402U	\$173.00	25	9
4x3	FERD0403	FERD0403U	\$206.00	30	24
5x4	FERD0504	FERD0504U	POA	32	32
6x3	FERD0603	FERD0603U	\$271.00	40	12
6x4	FERD0604	FERD0604U	\$308.00	45	24
6x5	FERD0605	FERD0605U	\$352.00	52	24
8x4	FERD0804	FERD0804U	\$443.00	65	9
8x5	FERD0805	FERD0805U	\$474.00	70	12
8x6	FERD0806	FERD0806U	\$507.00	75	9
10x4	FERD1004	FERD1004U	\$576.00	85	8
10x6	FERD1006	FERD1006U	\$608.00	90	8
10x8	FERD1008	FERD1008U	\$740.00	110	4
12x4	FERD1204	FERD1204U	\$806.00	120	4
12x6	FERD1206	FERD1206U	\$876.00	130	4
12x8	FERD1208	FERD1208U	\$977.00	145	4
12x10	FERD1210	FERD1210U	\$1,144.00	170	4
14x6	FERD1406	FERD1406U	\$1,042.00	173	2
14x8	FERD1408	FERD1408U	\$1,144.00	193	2
14x10	FERD1410	FERD1410U	\$1,280.00	218	2
14x12	FERD1412	FERD1412U	\$1,512.00	248	2
16x6	FERD1606	FERD1606U	\$1,280.00	190	2
16x8	FERD1608	FERD1608U	\$1,410.00	210	2
16x10	FERD1610	FERD1610U	\$1,579.00	235	2
16x12	FERD1612	FERD1612U	\$1,779.00	265	2
16x14	FERD1614	FERD1614U	\$1,879.00	280	2
18x8	FERD1808	FERD1808U	\$1,663.00	240	2
18x10	FERD1810	FERD1810U	\$1,837.00	265	2
18x12	FERD1812	FERD1812U	\$2,046.00	295	
18x14	FERD1814	FERD1814U	\$2,149.00	310	
18x16	FERD1816	FERD1816U	\$2,356.00	340	
20x8	FERD2008	FERD2008U	\$2,164.00		
20x10	FERD2010	FERD2010U	\$2,315.00	310	
20x12	FERD2012	FERD2012U	\$2,575.00	345	
20x14	FERD2014	FERD2014U	\$2,652.00	355	
20x16	FERD2016	FERD2016U	\$2,908.00	390	
20x18	FERD2018	FERD2018U	\$3,057.00	410	
24x8	FERD2408	FERD2408U	\$3,432.00	460	
24x10	FERD2410	FERD2410U	\$3,505.00	470	
24x12	FERD2412	FERD2412U	\$3,579.00	480	
24x14	FERD2414	FERD2414U	\$3,654.00	490	
24x16	FERD2416	FERD2416U	\$3,916.00	525	
24x18	FERD2418	FERD2418U	\$4,101.00	550	
24x20	FERD2420	FERD2420U	\$4,398.00	590	
30x10	FERD3010	FERD3010U	\$6,039.00	756	
30x14	FERD3014	FERD3014U	\$7,747.00	735	
30x16	FERD3016	FERD3016U	\$7,467.00	770	
30x18	FERD3018	FERD3018U	\$6,508.00	810	
30x20	FERD3020	FERD3020U	\$6,948.00	870	
30x24	FERD3024	FERD3024U	\$7,747.00	970	
36x14	FERD3614	FERD3614U	\$10,299.00		
36x16	FERD3616	FERD3616U	\$8,902.00		

\*Weights exclude accessories

Certified to  
ISO 9001:2015



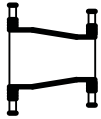
## C110 Ductile Iron Flange Full Body Fittings

## Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
36x18	FERD3618	FERD3618U	\$9,261.00		
36x20	FERD3620	FERD3620U	\$9,780.00		
36x24	FERD3624	FERD3624U	\$10,697.00	1345	
36x30	FERD3630	FERD3630U	\$12,374.00		
42x24	FERD4224	FERD4224U	\$15,496.00	1820	
42x30	FERD4230	FERD4230U	\$17,537.00	2060	
42x36	FERD4236	FERD4236U	\$19,965.00	2560	
48x24	FERD4824	FERD4824U	\$21,277.00		
48x30	FERD4830	FERD4830U	\$22,347.00	2615	
48x36	FERD4836	FERD4836U	\$25,115.00	2940	
48x42	FERD4842	FERD4842U	\$28,266.00	3320	

### CONCENTRIC REDUCER FLANGED



3x2	FRD0302	FRD0302U	\$114.00	16	27
3x2.5	FRD0302.5	FRD0302.5U	POA	21	
4x2	FRD0402	FRD0402U	\$173.00	25	18
4x2½	FRD04025	FRD04025U	POA	26	32
4x3	FRD0403	FRD0403U	\$167.00	30	32
5x3	FRD0503	FRD0503U	POA	38	
5x4	FRD0504	FRD0504U	POA	32	32
6x2	FRD0602	FRD0602U	\$238.00	30	24
6x3	FRD0603	FRD0603U	\$271.00	40	24
6x4	FRD0604	FRD0604U	\$259.00	45	24
6x5	FRD0605	FRD0605U	\$344.00	52	24
8x3	FRD0803	FRD0803U	POA	60	18
8x4	FRD0804	FRD0804U	\$388.00	65	18
8x5	FRD0805	FRD0805U	\$474.00	70	18
8x6	FRD0806	FRD0806U	\$421.00	75	12
10x4	FRD1004	FRD1004U	\$576.00	85	8
10x6	FRD1006	FRD1006U	\$550.00	90	8
10x8	FRD1008	FRD1008U	\$686.00	110	8
12x4	FRD1204	FRD1204U	\$806.00	120	4
12x6	FRD1206	FRD1206U	\$815.00	130	4
12x8	FRD1208	FRD1208U	\$909.00	145	4
12x10	FRD1210	FRD1210U	\$1,029.00	170	4
14x6	FRD1406	FRD1406U	\$1,042.00	155	4
14x8	FRD1408	FRD1408U	\$1,176.00	175	2
14x10	FRD1410	FRD1410U	\$1,291.00	190	2
14x12	FRD1412	FRD1412U	\$1,215.00	220	2
16x6	FRD1606	FRD1606U	\$1,280.00	190	2
16x8	FRD1608	FRD1608U	\$1,159.00	210	2
16x10	FRD1610	FRD1610U	\$1,303.00	235	2
16x12	FRD1612	FRD1612U	\$1,725.00	265	2
16x14	FRD1614	FRD1614U	\$1,879.00	280	2
18x8	FRD1808	FRD1808U	\$1,663.00	240	2
18x10	FRD1810	FRD1810U	\$1,837.00	265	2
18x12	FRD1812	FRD1812U	\$1,796.00	295	
18x14	FRD1814	FRD1814U	\$2,149.00	310	
18x16	FRD1816	FRD1816U	\$2,077.00	340	
20x6	FRD2006	FRD2006U	\$2,238.00	300	
20x8	FRD2008	FRD2008U	\$2,128.00	285	
20x10	FRD2010	FRD2010U	\$2,315.00	310	
20x12	FRD2012	FRD2012U	\$2,210.00	345	

\*Weights exclude accessories

Certified to  
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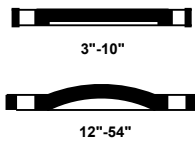
# C110 Ductile Iron Flange Full Body Fittings

## Price List FLANGE FULL BODY

IMP-UPL.21.03

Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
20x14	FRD2014	FRD2014U	\$2,652.00	355	
20x16	FRD2016	FRD2016U	\$2,373.00	390	
20x18	FRD2018	FRD2018U	\$3,058.00	410	
24x8	FRD2408	FRD2408U	\$3,057.00		
24x10	FRD2410	FRD2410U	\$3,505.00		
24x12	FRD2412	FRD2412U	\$3,806.00	480	
24x14	FRD2414	FRD2414U	\$3,908.00	490	
24x16	FRD2416	FRD2416U	\$3,292.00	525	
24x18	FRD2418	FRD2418U	\$4,101.00	550	
24x20	FRD2420	FRD2420U	\$4,398.00	590	
30x12	FRD3012	FRD3012U	\$6,150.00	825	
30x14	FRD3014	FRD3014U	POA	795	
30x16	FRD3016	FRD3016U	\$6,227.00	770	
30x18	FRD3018	FRD3018U	\$6,469.00	810	
30x20	FRD3020	FRD3020U	\$6,948.00	870	
30x24	FRD3024	FRD3024U	\$7,747.00	970	
36x16	FRD3616	FRD3616U	\$8,821.00	1115	
36x18	FRD3618	FRD3618U	\$9,261.00		
36x20	FRD3620	FRD3620U	\$9,821.00		
36x24	FRD3624	FRD3624U	\$10,740.00	1345	
36x30	FRD3630	FRD3630U	\$12,415.00	1555	
42x20	FRD4220	FRD4220U	POA	1666	
42x24	FRD4224	FRD4224U	\$15,496.00	1820	
42x30	FRD4230	FRD4230U	\$17,537.00	2060	
42x36	FRD4236	FRD4236U	\$19,965.00	2345	
48x24	FRD4824	FRD4824U	\$19,877.00		
48x30	FRD4830	FRD4830U	\$22,347.00	2625	
48x36	FRD4836	FRD4836U	\$25,115.00	2950	
48x42	FRD4842	FRD4842U	\$28,266.00	3320	

### STANDARD BLIND FLANGE\*



2	FLBD02	FLBD02U	POA	9	
3	FLBD03	FLBD03U	\$66.00	9	50
4	FLBD04	FLBD04U	\$115.00	16	160
6	FLBD06	FLBD06U	\$171.00	25	100
8	FLBD08	FLBD08U	\$286.00	42	60
10	FLBD10	FLBD10U	\$427.00	63	40
12	FLBD12	FLBD12U	\$575.00	85	28
14	FLBD14	FLBD14U	\$805.00	120	20
16	FLBD16	FLBD16U	\$977.00	145	16
18	FLBD18	FLBD18U	\$1,350.00	185	12
20	FLBD20	FLBD20U	\$1,825.00	245	10
24	FLBD24	FLBD24U	\$2,714.00	370	4
30	FLBD30	FLBD30U	\$3,988.00	500	3
36	FLBD36	FLBD36U	\$7,651.00	790	2
42	FLBD42	FLBD42U	\$11,050.00	1300	
48	FLBD48	FLBD48U	\$14,783.00	1740	

\* Prime coat inside &amp; outside



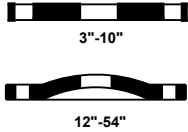
\*Weights exclude accessories

Certified to  
ISO 9001:2015

**C110 Ductile Iron Flange Full Body Fittings****Price List  
FLANGE FULL BODY**

IMP-UPL.21.03

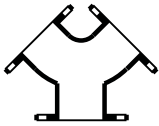
Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
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**BLIND FLANGE TAPPED (2" TAP)\***

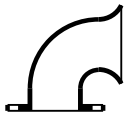
3	FLBD03T	FLBD03TU	\$117.00	9	50
4	FLBD04T	FLBD04TU	\$164.00	16	160
6	FLBD06T	FLBD06TU	\$223.00	25	100
8	FLBD08T	FLBD08TU	\$338.00	42	60
10	FLBD10T	FLBD10TU	\$477.00	63	40
12	FLBD12T	FLBD12TU	\$627.00	85	28
14	FLBD14T	FLBD14TU	\$887.00	120	20
16	FLBD16T	FLBD16TU	\$1,062.00	145	16
18	FLBD18T	FLBD18TU	\$1,457.00	185	12
20	FLBD20T	FLBD20TU	\$1,933.00	245	10
24	FLBD24T	FLBD24TU	\$2,822.00	370	4
30	FLBD30T	FLBD30TU	\$4,146.00	500	3
36	FLBD36T	FLBD36TU	\$7,810.00	790	2
42	FLBD42T	FLBD42TU	\$11,261.00	1300	
48	FLBD48T	FLBD48TU	\$14,999.00	1740	

\* Prime coat inside &amp; outside

The standard tap size is 2" NPT. For other sizes, please contact Star® Pipe Products. Taps other than 2" NPT are special order, non-cancellable & non-refundable.

**FLANGED TRUE WYE**

4x4x4	FTYD0404	FTYD0404U	\$340.00	55	27
6x4x4	FTYD0604	FTYD0604U	POA	80	
6x6x6	FTYD0606	FTYD0606U	\$540.00	85	18
8x8x4	FTYD0804	FTYD0804U	\$576.00		
8x6x6	FTYD0806	FTYD0806U	POA	120	
8x8x8	FTYD0808	FTYD0808U	\$943.00	140	12
10x10x6	FTYD1006	FTYD1006U	\$943.00		
10x8x8	FTYD1008	FTYD1008U	\$1,042.00	155	
10x10x10	FTYD1010	FTYD1010U	\$1,246.00		
12x12x6	FTYD1206	FTYD1206U	\$1,076.00		
12x12x8	FTYD1208	FTYD1208U	\$1,410.00		
12x12x10	FTYD1210	FTYD1210U	\$1,612.00		
12x12x12	FTYD1212	FTYD1212U	\$2,014.00		
14x14x14	FTYD1414	FTYD1414U	\$2,784.00		
16x16x16	FTYD1616	FTYD1616U	\$3,891.00		
18x18x18	FTYD1818	FTYD1818U	\$4,708.00		
20x20x20	FTYD2020	FTYD2020U	\$7,154.00		
24x24x24	FTYD2424	FTYD2424U	\$10,208.00		

**FLANGE x FLARE 90° ELL**

3	FBFD9003	FBFD9003U	\$173.00	25	
4	FBFD9004	FBFD9004U	\$308.00	40	12
6	FBFD9006	FBFD9006U	\$474.00	82	12
8	FBFD9008	FBFD9008U	\$806.00	110	12
10	FBFD9010	FBFD9010U	\$1,313.00	175	4
12	FBFD9012	FBFD9012U	\$1,646.00	245	2
14	FBFD9014	FBFD9014U	\$2,282.00	450	
16	FBFD9016	FBFD9016U	\$3,085.00	545	
18	FBFD9018	FBFD9018U	\$3,877.00	570	
20	FBFD9020	FBFD9020U	\$5,217.00	700	

\*Weights exclude accessories

Certified to  
ISO 9001:2015





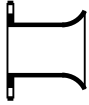
# C110 Ductile Iron Flange Full Body Fittings

# Price List FLANGE FULL BODY

IMP-UPL.21.03

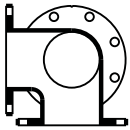
Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
24	FBFD9024	FBFD9024U	\$7,415.00	1120	
30	FBFD9030	FBFD9030U	\$15,725.00	1640	
36	FBFD9036	FBFD9036U	\$21,789.00	2700	
42	FBFD9042	FBFD9042U	\$27,241.00	3250	
48	FBFD9048	FBFD9048U	\$44,563.00	4215	

## FLANGE x FLARE PIECE



Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
3	FSFD03	FSFD03U	\$138.00	20	72
4	FSFD04	FSFD04U	\$206.00	30	24
6	FSFD06	FSFD06U	\$271.00	40	24
8	FSFD08	FSFD08U	\$474.00	80	18
10	FSFD10	FSFD10U	\$641.00	95	4
12	FSFD12	FSFD12U	\$1,042.00	155	4
14	FSFD14	FSFD14U	\$1,110.00	225	2
16	FSFD16	FSFD16U	\$1,612.00	330	
18	FSFD18	FSFD18U	\$1,907.00	355	
20	FSFD20	FSFD20U	\$2,656.00	460	
24	FSFD24	FSFD24U	\$3,579.00	635	
30	FSFD30	FSFD30U	\$8,783.00	1025	
36	FSFD36	FSFD36U	\$11,654.00	1460	
42	FSFD42	FSFD42U	\$14,901.00	1900	
48	FSFD48	FSFD48U	\$20,218.00	2350	

## 90 DEGREE FE SIDE OUTLET BENDS



Size (inches)	Item Code Cement Lined w/ Red Prime Coating	Item Code Bare In / Bare Out	List Price	Weight* (lbs.)	Crate Quantity
3	FBSOD9003	FBSOD9003U	\$238.00	35	
4	FBSOD9004	FBSOD9004U	\$405.00	60	
6	FBSOD9006	FBSOD9006U	\$641.00	95	24
8	FBSOD9008	FBSOD9008U	\$977.00	145	12
10	FBSOD9010	FBSOD9010U	\$1,612.00	240	
12	FBSOD9012	FBSOD9012U	\$2,315.00	345	
14	FBSOD9014	FBSOD9014U	\$2,617.00	478	
16	FBSOD9016	FBSOD9016U	\$3,287.00		
18	FBSOD9018	FBSOD9018U	\$4,018.00		
20	FBSOD9020	FBSOD9020U	\$5,515.00		
24	FBSOD9024	FBSOD9024U	\$8,532.00		

\*Weights exclude accessories

Certified to  
ISO 9001:2015



**LP2021-DVB**

**Effective: April 1, 2021**

Supersedes All Previous Pricing

# Price List

# DOMESTIC

## Valve and Service Boxes, Meter Rings & Covers (All Heavy-Duty)

<u>Product</u>	<u>Pages</u>
6500 Service Boxes.....	1
Heavy-duty 6850 Series Two-piece Screw-type Valve Boxes.....	2
Heavy-duty 6855 Series Two-piece Slip-type Valve Boxes .....	3
Heavy-duty 6860 Series Three-piece Screw-type Valve Boxes .....	4
Heavy-duty Drop and Lock Lids, Risers .....	5
Meter Rings and Covers .....	6

**PRICES SHOWN ARE IN EFFECT AT THE TIME OF PRINTING. REVISIONS AND OFFICIAL PRICING ARE SHOWN ON THE TYLER/UNION WEBSITE.**

**Note:**

All weights in this list price sheet are estimates for shipping purposes only . Please refer the TylerUnion product catalogs for weights of individual products

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<b>6500 SERIES ADJUSTABLE SERVICE BOX</b>				
<b>HEAVY-DUTY SCREW TYPE W/ WATER LID</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
89A (12T+12B)	146681	15-21"	\$85.00	19
90B (12T+15B)	146742	18-24"	\$102.00	21
90C (15T+15B)	146803	21-27"	\$87.00	22
91C (15T+21B)	146865	24-33"	\$90.00	24
92C (15T+27B)	146926	30-39"	\$94.00	26
92D (18T+27B)	146988	30-42"	\$115.00	28
93D (18T+33B)	147046	36-48"	\$120.00	32
93E (24T+33B)	147114	36-54"	\$139.00	37
94E (24T+39B)	147183	42-60"	\$147.00	41
95E (30T+39B)	147251	41-64"	\$152.00	45
100E (24T+21B+154 Ext)	147312	54-72"	\$179.00	50
100F (30T+21B+154 Ext)	147381	54-78"	\$185.00	53
101F (30T+27B+154 Ext)	147459	60-84"	\$188.00	55
<b>TOP SECTION W/ WATER LID</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
12T	147510		\$51.00	11
15T	147589		\$52.00	12
18T	147640		\$74.00	17
24T	147701		\$93.00	23
30T	147763		\$98.00	29
<b>BOTTOM SECTION</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
12B	144670		\$35.00	9
15B	144687		\$37.00	10
21B	144694		\$39.00	13
27B	144700		\$42.00	15
33B	144717		\$48.00	19
39B	144724		\$56.00	21
<b>PARTS</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Increase</b>	<b>List Price</b>	<b>Weight</b>
151 Ext	144762	9"	\$22.00	8
152 Ext	144779	16"	\$31.00	11
153 Ext	144786	28"	\$44.00	16
154 Ext	144793	30"	\$50.00	18
Enlarged Base 2" curb stop	144809	6"	\$25.00	9
2 1/2" Water Lid	144830		\$6.00	1
Wrench	144908		\$40.00	1

**TYLER UNION DOMESTIC VALVE BOXES LP2021-DVB****HEAVY-DUTY 6850 SERIES 2-PIECE VALVE BOX****6850 VALVE BOX LESS LID**

<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
461-S (10T+15B)	145776	19-22"	\$116.00	50
462-S (10T+24B)	145783	27-32"	\$134.00	58
562-S (16T+24B)	145790	27-37"	\$159.00	71
563-S (16T+30B)	145752	33-43"	\$173.00	78
564-S (16T+36B)	145806	39-50"	\$190.00	85
662-S (26T+30B)	145769	36-52"	\$216.00	93
664-S (26T+36B)	145813	39-60"	\$233.00	100
665-S (26T+24B)	375296	39-63"	\$201.00	87
666-S (26T+24B+60Ext)	145820	51-71"	\$289.00	128
668-S (26T+36B+60Ext)	145837	62-82"	\$321.00	136

**TOPS LESS LID**

<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
10T	144939		\$52.00	23
16T	144946		\$77.00	36
26T	144953		\$119.00	51

**BOTTOMS**

<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
15B	145004		\$64.00	27
24B	145011		\$83.00	35
30B	144991		\$98.00	42
36B	145028		\$115.00	48

**EXTENSIONS**

<b>Size</b>	<b>UPC 670610</b>	<b>Height Increase</b>	<b>List Price</b>	<b>Weight</b>
#58 SCREW-TYPE	145141	14"	\$73.00	29
#59 SCREW-TYPE	145158	18"	\$87.00	33
#60 SCREW-TYPE	145059	24"	\$88.00	36

**TYLER UNION DOMESTIC VALVE BOXES LP2021-DVB****HEAVY-DUTY 6855 SERIES 2-PIECE VALVE BOX**

<b>6855 VALVE BOX LESS LID</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
461-A (10T+15B)	145844	19-22"	\$123.00	55
462-A (10T+24B)	145851	27-32"	\$148.00	65
562-A (16T+24B)	145868	27-37"	\$178.00	72
563-A (16T+30B)	145714	33-43"	\$188.00	81
564-A (16T+36B)	145875	39-50"	\$207.00	83
662-A (26T+30B)	145721	36-52"	\$201.00	97
664-A (26T+36B)	145882	39-60"	\$220.00	99
666-A (26T+24B+60-AExt)	145899	51-71"	\$279.00	124
668-A (26T+36B+60-AExt)	145905	62-82"	\$308.00	135
<b>TOPS LESS LID</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
10T	144960		\$65.00	27
16T	144977		\$97.00	36
26T	144984		\$109.00	52
7126 26T W/ Top FLG	376774		\$84.00	49
<b>BOTTOMS</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
15B	145073		\$59.00	26
24B	145080		\$83.00	36
30B	145127		\$93.00	45
36B	145097		\$112.00	48
<b>EXTENSIONS</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Increase</b>	<b>List Price</b>	<b>Weight</b>
#58-A / 18B	145233	14"	\$65.00	30
#59-A / 24B	145240	18"	\$88.00	35
#60-A	145066	24"	\$88.00	36

**TYLER UNION DOMESTIC VALVE BOXES LP2021-DVB****HEAVY-DUTY 6860 SERIES 3-PIECE VALVE BOX**

<b>6860 VALVE BOX LESS LID **Does not include base</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
AA (10T+12B)	145912	27-31"	\$99.00	42
A (16T+18B)	145929	33-42"	\$141.00	65
B (16T+24B)	145936	39-49"	\$165.00	69
C (16T+30B)	145943	45-54"	\$168.00	73
CC (16T+36B)	145950	51-60"	\$185.00	75
D (26T+30B)	145967	45-66"	\$209.00	88
DD (26T+36B)	145974	51-72"	\$226.00	90
E (16T+24B+60Ext)	145981	63-72"	\$253.00	105
F (26T+24B+60Ext)	145998	63-84"	\$294.00	120
G (26T+36B+60Ext)	146001	74-94"	\$314.00	126
<b>TOPS LESS LID</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
10T	144939		\$52.00	23
16T	144946		\$77.00	36
26T	144953		\$119.00	51
<b>BOTTOMS</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Range</b>	<b>List Price</b>	<b>Weight</b>
12B	145134		\$48.00	24
18B / 58 Ext	145141		\$73.00	32
24B / 59 Ext	145158		\$87.00	35
30B	145165		\$92.00	37
36B	145172		\$108.00	51
<b>EXTENSIONS</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Increase</b>	<b>List Price</b>	<b>Weight</b>
#58 SCREW-TYPE	145141	14"	\$73.00	29
#59 SCREW-TYPE	145158	18"	\$87.00	33
#60 SCREW-TYPE	145059	24"	\$88.00	36
<b>BASES</b>				
<b>Size</b>	<b>UPC 670610</b>	<b>Height Increase</b>	<b>List Price</b>	<b>Weight</b>
#4, 11-1/4" WIDE	145653	9"	\$65.00	41
#6, 14-3/4" WIDE	145660	12"	\$100.00	45
#160, 20-1/2" WIDE	145684	11"	\$169.00	68

**TYLER UNION DOMESTIC VALVE BOXES LP2021-DVB**

<b>HEAVY-DUTY LIDS</b>			
<b>Lid Style</b>	<b>UPC 670610</b>	<b>List Price</b>	<b>Weight</b>
5-1/4" DROP LID "WATER"	145325	\$21.00	12
5-1/4" DROP LID "GAS"	145332	\$22.00	12
5-1/4" DROP LID "SEWER"	145349	\$22.00	12
5-1/4" DROP LID Plain - no marking	145356	\$22.00	12
5-1/4" DROP LID "REUSE"	458975	\$22.00	12
5-1/4" LOCK LID	145462	\$28.00	11
5-1/4 x 1-1/8 lid - Use w/ 1-1/8" riser only	145509	\$22.00	12
SQUARE " RECLAIM" LID	458982	\$33.00	13
"OMA" DROP LID	145301	\$33.00	12
"MWW" DROP LID	145370	\$33.00	12

<b>RISERS</b>				
<b>Riser</b>	<b>UPC 670610</b>	<b>Height Increase</b>	<b>List Price</b>	<b>Weight</b>
5-1/4 x 1" PAVING	533641		\$14.00	8
5-1/4 x 1-1/2" PAVING	533672		\$19.00	11
5-1/4 x 2" PAVING	533689		\$22.00	14
5-1/4" x 2-1/4" PAVING	145547		\$26.00	14
5-1/4 x 3" PAVING	533696		\$37.00	21
5-1/4 x 4" PAVING	533702		\$52.00	29
69 Riser for 6850/60	148197	2-1/2" - 9"	\$74.00	32
69-A Riser for 6855/65	148241	2-1/2" - 12"	\$70.00	29
5-1/4" x 1-1/8" SLIP-IN **	145554	1-1/8"	\$21.00	8

\*\* Use with 1-1/8" lid only

**TYLER UNION DOMESTIC VALVE BOXES LP2021-DVB****METER COVERS, RINGS & LIDS****6150 METER RINGS & LIDS**

<b>Rings &amp; Lid Style</b>	<b>UPC 670610</b>	<b>List Price</b>	<b>Weight</b>
6150 - 18 Ring & Lid - B/S	148456	\$123.00	38
6150 - 18 Ring & Lid - B/L	148449	\$128.00	38
6150 - 18 Ring Only	148647	\$80.00	27
6150 - 18/20 Lid W/ Lock B/S	148500	\$63.00	11
6150 - 18/20 Lid W/ Lock B/L	148494	\$64.00	11
6150 - 18/20 Lid Less Lock	148593	\$49.00	14
6150 - 20 Ring & Lid - B/S	148470	\$253.00	37
6150 - 20 Ring & Lid - B/L	148463	\$254.00	37
6150 - 20 Ring Only	148630	\$186.00	29

**6150TR METER RINGS & LIDS**

<b>Rings &amp; Lid Style</b>	<b>UPC 670610</b>	<b>List Price</b>	<b>Weight</b>
6150 - 18 TR Ring & Lid - B/S	148524	\$127.00	41
6150 - 18 TR Ring & Lid - B/L	148531	\$127.00	41
6150 - 18/20 TR Lid W/ Lock B/S	148562	\$63.00	14
6150 - 18/20 TR Lid W/ Lock B/L	148579	\$64.00	14
6150 - 18/20 TR Lid Less Lock	148586	\$49.00	12
6150 - 20 TR Ring & Lid - B/S	148548	\$253.00	40
6150 - 20 TR Ring & Lid - B/L	148555	\$254.00	40

***B/S = Small Bolt (24/32") B/L = Large Bolt (1")***

*Certain items may be cast at our facility in Canada. Contact your ISR for additional information*





# LP2021-3 ND

Effective: June 1, 2021  
Supersedes All Previous Pricing

# Price List

## Import Fittings



### For Other Products See Latest Versions of:

- D - Domestic Utility Fittings, Glands, Accessory Packs
- BNG - Bolts, Nuts, Gaskets, Accessory Packs Less Glands
- DR - Domestic Restraint Products
- NR - Import Restraint Products
- NVB - Import Valve & Service Boxes - Municipal Castings
- DVB - Domestic Valve & Service Boxes - Municipal Castings

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Phone: (800) 226-7601

**Riverside, CA**

Fax: (866) 948-9537

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# LP2021-ND

Effective: February 1, 2021  
Supersedes All Previous Pricing

# Price List

## Import Fittings

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**Notes:**

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**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

<b>ADAPTER MJxFE</b>			<b>N20-4600</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	049791	371267	\$110.00	16
4	049807	371175	\$126.00	30
6	049814	422181	\$173.00	38
8	049821	371205	\$260.00	51
10	049777	371250	\$451.00	82
12	049784	371168	\$577.00	105
14	055235	129639	\$916.00	128
16	055259	129653	\$1,046.00	158
18	114146	114147	\$1,650.00	176
20	055273	121510	\$1,965.00	267
24	464198	046011	\$2,417.00	289
30	093169	093145	\$4,449.00	557
36	093190	093176	\$6,373.00	798
42	093177	093179	\$17,469.00	1175
48	093197	093200	\$20,967.00	1600

<b>ADAPTER SWVLxSOL (W/SWVL GLAND)</b>			<b>N20-4660</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
4x13	464181	463474	\$200.00	26
6x13	105695	040392	\$352.00	52
6x18	105701	040408	\$388.00	62
6x24	105718	040439	\$524.00	75
6x36	514219	514220	\$665.00	100
6x48	514221	514222	\$873.00	*
8x13	536078	536079	\$451.00	81
10x13	536080	536082	\$801.00	*
12x13	464184	464185	\$1,187.00	*

<b>ADAPTER SWVLxSWVL(W/2 SWVL GLANDS)</b>			<b>N20-4665</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
6x13	500605	500599	\$312.00	49
6x24	500643	500636	\$421.00	71
8x13	500629	500612	\$451.00	68

<b>BEND: 5-5/8° (1/64) MJ</b>			<b>N20-1710</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	050072	099996	\$122.00	14
4	050164	100074	\$147.00	19
6	050287	100159	\$249.00	31
8	050409	100234	\$339.00	45
10	049840	099835	\$545.00	60
12	049953	099920	\$676.00	77
14	055299	101821	\$1,494.00	121
16	055497	101897	\$1,635.00	164
18	055714	101968	\$2,476.00	213
20	055790	102050	\$2,506.00	245
24	055851	102135	\$3,639.00	324
30	049683	355661	\$6,412.00	564
36	096700	355698	\$9,994.00	816
42	105464	120808	\$17,471.00	1241
48	105471	120825	\$23,292.00	1532

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

<b>BEND: 90° (1/4) MJ</b>				<b>N20-0010</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
2	507370	507369	\$119.00	13
3	050100	100058	\$122.00	22
4	050193	100133	\$132.00	24
6	050315	100218	\$216.00	40
8	050438	100294	\$312.00	59
10	049869	099895	\$494.00	91
12	049982	099970	\$665.00	121
14	055358	101871	\$1,109.00	202
16	055532	101956	\$1,505.00	255
18	055778	102038	\$1,870.00	313
20	055846	102113	\$2,606.00	381
24	055884	102199	\$3,890.00	573
30	049715	355694	\$6,240.00	930
36	049739	356233	\$9,754.00	1450
42	096634	120711	\$16,725.00	2381
48	096641	120728	\$22,299.00	3175

<b>BEND: 45° (1/8) MJ</b>				<b>N20-0510</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
2	507353	507352	\$92.00	12
3	050094	100034	\$110.00	19
4	050186	100119	\$110.00	20
6	050308	100195	\$175.00	33
8	050421	100270	\$255.00	47
10	049852	099871	\$368.00	67
12	049975	099956	\$550.00	100
14	055334	101857	\$863.00	157
16	055525	101932	\$1,076.00	196
18	055754	102014	\$1,593.00	233
20	055839	102090	\$1,699.00	275
24	055877	102175	\$2,581.00	380
30	049708	355687	\$5,243.00	780
36	049722	356226	\$7,665.00	1135
42	096658	120742	\$11,773.00	1675
48	096665	120759	\$15,425.00	2196

<b>BEND: 22-1/2° (1/16) MJ</b>				<b>N20-1010</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
2	507346	507345	\$126.00	11
3	050087	100010	\$69.00	12
4	050179	100096	\$104.00	19
6	050292	100171	\$159.00	30
8	050414	100256	\$249.00	46
10	049845	099857	\$367.00	66
12	049968	099932	\$481.00	87
14	055310	101833	\$874.00	159
16	055518	101918	\$1,032.00	178
18	055730	101994	\$1,308.00	231
20	055815	102076	\$1,775.00	292
24	055860	102151	\$2,383.00	366
30	049692	355670	\$4,393.00	665
36	096672	356189	\$6,438.00	960
42	096689	120773	\$9,717.00	1367
48	096696	120780	\$12,654.00	1801

<b>BEND: 11-1/4° (1/32) MJ</b>				<b>N20-1510</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
2	*	*	\$154.00	*
3	050070	099994	\$80.00	12
4	050162	100072	\$100.00	17
6	050285	100157	\$167.00	31
8	050407	100232	\$226.00	42
10	049838	099833	\$365.00	57
12	049951	099918	\$451.00	77
14	055297	101819	\$997.00	163
16	055495	101895	\$1,092.00	170
18	055716	101970	\$1,651.00	254
20	055792	102052	\$1,672.00	257
24	055853	102137	\$2,232.00	337
30	049685	355663	\$4,473.00	600
36	096702	355700	\$6,112.00	820
42	105466	120810	\$9,276.00	1162
48	105473	120827	\$12,567.00	1574

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

<b>BEND: 90° (1/4) MJxFE</b>				<b>N20-0170</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	050117	422273	\$133.00	20
4	050230	422297	\$151.00	36
6	050353	422341	\$265.00	57
8	050476	422396	\$461.00	84
10	049906	422204	\$751.00	109
12	050025	422242	\$1,079.00	150
14	055396	248859	\$1,818.00	275
16	055570	244370	\$2,213.00	335
24	000502	000503	\$6,328.00	618
30	000504	000505	\$11,100.00	1050

<b>BEND: 45° (1/8) MJxFE</b>				<b>N20-0650</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	*	*	\$158.00	*
4	050223	422280	\$164.00	25
6	050346	422334	\$239.00	37
8	050469	422389	\$458.00	71
10	049890	422198	\$672.00	122
12	050018	422235	\$1,002.00	151
14	055372	248842	\$1,499.00	207
16	055556	244356	\$2,057.00	311
24	001868	001869	\$4,528.00	575
30	001870	001871	\$19,803.00	810

<b>BEND: 22-1/2° (1/16) MJxFE</b>				<b>N20-1120</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	050213	248894	\$274.00	17
4	050216	248897	\$210.00	32
6	050339	248910	\$269.00	41
8	050452	248934	\$414.00	64
10	049883	248811	\$602.00	92
12	050001	248835	\$876.00	132
30	484505	484506	\$18,505.00	710

<b>BEND: 11-1/4° (1/32) MJxFE</b>				<b>N20-1535</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
4	050209	248880	\$184.00	28
6	050322	248903	\$259.00	40
8	050445	248927	\$342.00	53
10	049876	248804	\$577.00	75
12	049999	248828	\$753.00	88

<b>BEND: 90° (1/4) MJxPE</b>				<b>N20-0120</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	050155	136040	\$120.00	18
4	050278	422327	\$157.00	24
6	050391	422372	\$259.00	46
8	050513	422426	\$368.00	55
10	049944	422228	\$577.00	88
12	050063	422266	\$753.00	114
14	055471	244295	\$1,303.00	197
16	055648	244455	\$1,997.00	302
18	004548	004549	\$3,570.00	360
20	004550	004551	\$3,994.00	390
24	055921	244530	\$4,287.00	575
30	093312	093282	\$6,908.00	865
36	004552	004553	\$15,551.00	1355
42	093306	004771	\$15,726.00	2055
48	004772	004773	\$30,113.00	2805

<b>BEND: 45° (1/8) MJxPE</b>				<b>N20-0600</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	050148	136026	\$103.00	15
4	050261	422310	\$116.00	19
6	050384	422365	\$196.00	34
8	050506	422419	\$310.00	50
10	049937	422211	\$458.00	78
12	050056	422259	\$652.00	98
14	055457	243748	\$1,058.00	146
16	055631	244431	\$1,217.00	212
18	010068	535263	\$2,950.00	240
20	010069	010070	\$3,000.00	300
24	055914	244516	\$2,908.00	390
30	093268	093237	\$5,713.00	715
36	010071	010072	\$14,190.00	1040
42	028223	028224	\$14,588.00	1460
48	028225	028226	\$18,425.00	1900

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

<b>BEND: 22-1/2° (1/16) MJxPE</b>				<b>N20-1110</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	050131	136002	\$88.00	13
4	050254	422303	\$119.00	18
6	050377	422358	\$203.00	29
8	050490	422402	\$310.00	48
10	049920	135944	\$414.00	66
12	050049	135968	\$547.00	82
14	055433	248873	\$1,096.00	152
16	055617	244417	\$1,686.00	255
18	063057	063058	\$1,972.00	248
20	063059	063060	\$2,820.00	300
24	055907	244493	\$3,997.00	395
30	093220	093206	\$4,790.00	600
36	063061	063062	POA	865
42	063071	063072	POA	1200
48	063073	063074	POA	1702

<b>BEND: 11-1/4° (1/32) MJxPE</b>				<b>N20-1600</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	050124	135982	\$88.00	13
4	050247	136064	\$115.00	17
6	050360	136088	\$189.00	29
8	050483	136439	\$292.00	45
10	049913	135920	\$368.00	56
12	050032	135951	\$474.00	71
14	055419	248866	\$884.00	133
16	055594	244394	\$1,093.00	165
18	004770	376645	\$1,972.00	248
20	376646	376647	\$2,820.00	300
24	055891	244479	\$3,997.00	400
30	376648	376649	\$10,016.00	562
42	376739	376740	\$19,492.00	1125

<b>BEND: 90° (1/4) SWVLxSWVL</b>				<b>N20-0460</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
6	105725	245858	\$411.00	71

<b>CAP SOLID MJ</b>				<b>N20-2310</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
2	050545	510352	\$93.00	10
3	050544	121497	\$48.00	8
4	050551	121480	\$50.00	11
6	050568	247951	\$88.00	19
8	050575	247968	\$144.00	24
10	050520	121565	\$180.00	36
12	050537	121503	\$269.00	46
14	055938	248491	\$404.00	73
16	055945	248507	\$540.00	98
18	055952	248514	\$681.00	119
20	055969	248538	\$881.00	144
24	055976	248545	\$1,210.00	198
30	105633	121558	\$2,758.00	395
36	093510	093503	\$5,018.00	628
42	458585	458586	\$7,604.00	893
48	464211	112730	\$9,165.00	1076

<b>CAP 2" TAP MJ</b>				<b>N20-2320</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
2	*	*	\$131.00	8
3	050605	248033	\$101.00	10
4	050612	248064	\$103.00	11
6	050629	248118	\$141.00	19
8	050636	248156	\$196.00	24
10	050582	247975	\$232.00	36
12	050599	247999	\$322.00	46
14	055983	248552	\$486.00	80
16	055990	248576	\$622.00	98
18	056003	248613	\$789.00	125
20	056010	248637	\$988.00	156
24	056034	248644	\$1,315.00	185
30	105640	121541	\$2,917.00	395
36	093541	093534	\$5,174.00	628
42	*	536413	\$7,817.00	893
48	486558	486565	\$9,377.00	1076

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

CROSS MJ			N20-3010	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	050735	100492	\$218.00	33
4x3	050759	100539	\$259.00	40
4	050742	100515	\$368.00	57
6x4	050773	100577	\$403.00	62
6	050766	100553	\$451.00	82
8x4	050865	100614	\$635.00	99
8x6	050872	100638	\$468.00	72
8	050858	100591	\$492.00	81
10x4	050650	100331	\$622.00	95
10x6	050667	100355	\$603.00	92
10x8	050674	100379	\$747.00	114
10	050643	100317	\$788.00	121
12x4	050704	100430	\$772.00	116
12x6	050711	100454	\$761.00	114
12x8	050728	100478	\$874.00	132
12x10	050698	100416	\$1,381.00	208
12	050681	100393	\$1,381.00	208
14x6	056058	248941	\$1,374.00	208
14x8	056065	102236	\$1,555.00	235
14x12	102240	102238	\$2,795.00	270
14	056041	102212	\$2,421.00	335
16x6	056102	102960	\$1,652.00	250
16x8	056119	102977	\$1,911.00	289
16x10	056089	102946	\$2,494.00	345
16x12	056096	102953	\$2,624.00	397
16	056072	102939	\$3,817.00	578
18x6	505126	505129	\$4,832.00	386
18x10	*	*	\$5,804.00	*
18x12	505107	505108	\$4,783.00	348
18	505110	505112	\$4,897.00	478
20x6	490044	490045	\$4,305.00	285
20x8	490049	490051	\$3,281.00	379
20x10	480660	480659	\$4,031.00	459

CROSS MJ			N20-3010	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
20x12	480679	480680	\$3,082.00	413
20x16	490043	490050	\$5,067.00	680
20x18	490047	490053	\$5,203.00	698
20	509080	509073	\$7,072.00	869
24x6	045990	045993	\$3,587.00	481
24x8	045992	045994	\$3,727.00	500
24x10	*	*	\$7,235.00	*
24x12	490025	490026	\$4,623.00	530
24x16	490029	490036	\$5,366.00	720
24x18	490035	490037	\$6,469.00	868
24x20	490039	490038	\$7,556.00	1015
24	448648	045991	\$6,694.00	898
30x6	*	*	\$10,262.00	*
30x8	*	*	\$9,950.00	*
30x12	479920	502710	\$9,032.00	1131
30x16	100494	100495	\$15,328.00	1030
30x24	100498	100496	\$15,328.00	1333
30	093343	093329	\$14,687.00	1840
36x24	479925	502715	\$20,136.00	1840
36	093374	093350	\$21,193.00	2811
42x12	*	*	\$18,053.00	*
42x16	*	*	\$19,193.00	*
42x24	536453	512587	\$20,998.00	2124
42x30	536447	536448	\$36,696.00	2436
42x36	346257	346259	\$42,030.00	3121
42	536450	536451	\$47,565.00	3725
48x12	*	*	\$26,842.00	*
48x16	*	*	\$28,500.00	*
48x24	512584	512585	\$42,905.00	3670
48x30	459253	459254	\$44,481.00	4505
48x36	077047	077048	\$44,415.00	4700
48x42	459252	459255	\$44,415.00	4800
48	483328	483793	\$42,181.00	4955

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
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**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

OFFSET MJxMJ				N20-2010
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3x6	*	107330	\$154.00	23
3x12	*	107347	\$224.00	34
3x18	*	107354	\$260.00	40
3x24	*	107361	\$310.00	47
4x6	*	107378	\$210.00	32
4x12	107383	107385	\$271.00	42
4x18	*	107392	\$365.00	56
4x24	*	107408	\$420.00	65
6x6	107420	107422	\$357.00	55
6x12	107437	107439	\$464.00	72
6x18	107444	107446	\$568.00	88
6x24	107451	107453	\$718.00	111
8x6	107458	107460	\$513.00	79
8x12	107475	107477	\$660.00	103
8x18	107482	107484	\$823.00	128
8x24	506896	506898	\$1,170.00	189
10x6	*	107491	\$734.00	112
10x12	*	107507	\$964.00	148
10x18	*	107521	\$1,149.00	176
10x24	*	107524	\$2,248.00	175
12x6	448969	448952	\$1,037.00	157
12x12	107537	107538	\$1,152.00	174
12x18	107543	107545	\$1,393.00	210
12x24	*	107552	\$1,967.00	298
12x30	*	107569	\$1,871.00	283
16x12	111218	111217	\$6,321.00	216
16x18	*	107548	\$7,474.00	260
20x12	*	*	\$9,324.00	*
20x18	*	*	\$12,395.00	*

OFFSET MJxPE				N20-2070
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3x6	*	107576	\$200.00	29
3x12	*	107583	\$265.00	39
3x18	*	107590	\$325.00	48
3x24	*	107606	\$362.00	53
4x6	*	107613	\$298.00	44
4x12	507710	107620	\$367.00	54
4x18	107636	107637	\$443.00	65
4x24	*	107644	\$486.00	72
6x6	*	107651	\$350.00	54
6x12	107667	107668	\$458.00	68
6x18	107674	107675	\$647.00	96
6x24	107677	107682	\$789.00	117
8x6	*	107699	\$527.00	78
8x12	*	107705	\$740.00	110
8x18	*	107729	\$834.00	124
8x24	*	107733	\$881.00	189
10x6	*	111184	\$876.00	130
10x12	*	111191	\$1,157.00	172
10x18	*	111207	\$1,269.00	189
10x24	*	111210	\$1,596.00	237
12x6	*	111185	\$1,313.00	145
12x12	538042	111214	\$1,331.00	198
12x18	*	111221	\$1,815.00	270
12x24	*	111238	\$2,244.00	334
12x30	*	111245	\$1,381.00	205

\* UPC to be assigned

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Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021



**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

<b>PLUG SOLID MJ</b>				<b>N20-2210</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
2	*	*	\$88.00	*
3	050902	248217	\$73.00	10
4	050919	248224	\$62.00	12
6	050926	248231	\$116.00	19
8	050933	248248	\$171.00	27
10	050889	248194	\$298.00	44
12	050896	248200	\$294.00	53
14	056126	248651	\$607.00	110
16	056133	248668	\$774.00	141
18	056140	248675	\$991.00	175
20	056157	248682	\$1,302.00	214
24	056171	248699	\$1,806.00	297
30	105572	121534	\$3,581.00	542
36	093572	093565	\$5,529.00	838
42	448907	448891	\$7,670.00	1091
48	448921	448914	\$10,224.00	1455

<b>PLUG 2" TAP MJ</b>				<b>N20-2220</b>
<b>Size</b>	<b>Bare UPC 670610</b>	<b>TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
2	*	69464	\$130.00	5
3	050964	248330	\$122.00	9
4	050971	248361	\$114.00	12
6	050988	248415	\$167.00	19
8	050995	248453	\$223.00	27
10	050940	248255	\$350.00	44
12	050957	248293	\$344.00	53
14	056195	248705	\$688.00	77
16	056218	248712	\$857.00	119
18	056232	248750	\$1,099.00	126
20	056256	248767	\$1,410.00	139
24	056270	248781	\$1,911.00	181
30	105589	121527	\$3,740.00	434
36	093602	093596	\$5,690.00	688
42	*	503868	\$7,884.00	1075
48	*	503873	\$10,436.00	1455

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

REDUCER MJxMJ			N20-3510	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3x2	509645	509646	\$146.00	24
4x2	509898	509899	\$157.00	16
4x3	051527	100799	\$114.00	19
6x2	345346	345347	\$206.00	20
6x3	051541	100812	\$149.00	26
6x4	051565	100836	\$126.00	23
8x3	100846	100847	\$223.00	30
8x4	051589	100850	\$171.00	30
8x6	051602	100874	\$183.00	34
10x4	051398	100652	\$277.00	42
10x6	051404	100676	\$234.00	42
10x8	051428	100690	\$258.00	46
12x4	051466	100737	\$352.00	53
12x6	051480	100751	\$309.00	56
12x8	051503	100775	\$315.00	57
12x10	051442	100713	\$350.00	60
14x6	056836	103004	\$731.00	110
14x8	056843	103011	\$731.00	104
14x10	056805	102984	\$550.00	100
14x12	056829	102991	\$550.00	100
16x6	056966	103059	\$800.00	145
16x8	057000	103066	\$768.00	140
16x10	056850	103028	\$740.00	135
16x12	056904	103035	\$714.00	130
16x14	056942	103042	\$906.00	165
18x4	*	*	\$1,822.00	*
18x8	057093	103103	\$1,195.00	162
18x10	028482	107279	\$1,128.00	185.19
18x12	057048	103073	\$1,099.00	180
18x14	057055	103080	\$1,494.00	200
18x16	057079	103097	\$1,165.00	191
20x6	107289	107290	\$2,746.00	232
20x8	113768	107293	\$1,390.00	228

REDUCER MJxMJ			N20-3510	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
20x10	057116	103110	\$1,584.00	215
20x12	057130	103127	\$1,222.00	201
20x14	057154	034162	\$1,216.00	200
20x16	057178	103134	\$1,128.00	185
20x18	057192	103141	\$1,520.00	233
24x8	033736	033737	\$3,258.00	318
24x10	057210	103154	\$3,802.00	305
24x12	057215	103158	\$1,869.00	307
24x14	345155	345157	\$4,181.00	300
24x16	057239	103165	\$1,940.00	319
24x18	057253	103172	\$1,855.00	300
24x20	057277	103189	\$2,299.00	308
30x12	105653	105654	\$6,811.00	763
30x16	105657	045793	\$4,212.00	637
30x18	113072	113065	\$4,368.00	661
30x20	105664	045809	\$4,133.00	626
30x24	049746	356240	\$3,158.00	478
36x12	530557	530558	\$8,703.00	1135
36x16	513178	513179	\$5,211.00	1078
36x18	527991	527992	\$10,612.00	1329
36x20	113096	113089	\$6,403.00	970
36x24	105671	356288	\$5,084.00	770
36x30	112594	112570	\$5,529.00	838
42x20	453924	453926	\$8,364.00	1190
42x24	453925	121572	\$9,527.00	1356
42x30	105688	356332	\$7,500.00	1067
42x36	452683	112495	\$7,838.00	1116
48x20	031681	031682	\$10,533.00	1499
48x24	468142	468143	\$10,795.00	1537
48x30	129645	129646	\$13,010.00	1852
48x36	452690	112501	\$11,463.00	1631
48x42	129675	129677	\$12,654.00	1426

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

REDUCER LARGE END MJ (LEB)			N20-3700	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x3	051077	133780	\$120.00	18
6x3	051084	133797	\$171.00	26
6x4	051091	133803	\$197.00	26
8x4	051251	133827	\$223.00	37
8x6	051268	133841	\$180.00	40
10x4	051008	133711	\$292.00	43
10x6	051015	133728	\$303.00	46
10x8	051022	133735	\$329.00	50
12x4	051046	133759	\$499.00	75
12x6	051053	133766	\$401.00	60
12x8	051060	133773	\$414.00	62
12x10	051039	133742	\$427.00	64
14x6	391237	079265	\$731.00	92
14x8	391244	079289	\$731.00	94
14x10	391261	079312	\$550.00	92
14x12	*	451129	\$667.00	92
16x6	056355	134169	\$986.00	144
16x8	056379	134183	\$1,046.00	158
16x10	056294	134107	\$907.00	125
16x12	056317	134121	\$718.00	108
16x14	056331	134145	\$957.00	135
18x8	391305	079449	\$1,195.00	169
18x12	056393	134206	\$1,308.00	175
18x14	056416	134220	\$1,494.00	200
18x16	056430	134244	\$1,435.00	192
20x10	056454	134268	\$1,569.00	210
20x12	056478	134282	\$2,164.00	211
20x14	*	*	\$1,216.00	*
20x16	*	134286	\$1,128.00	200
24x12	056515	134305	\$2,164.00	290
24x14	*	*	\$4,181.00	*
24x16	056539	134329	\$2,197.00	285
24x18	*	*	\$1,855.00	*
24x20	056542	134332	\$4,462.00	275
30x18	*	*	\$4,368.00	*
30x24	522323	522324	\$5,759.00	526
36x24	051011	133713	\$8,005.00	810
36x30	051079	133783	\$5,529.00	758
42x30	513385	513389	\$7,500.00	1084
42x36	*	133802	POA	1627
48x30	051085	133799	\$16,152.00	1768
48x36	133801	133802	\$17,307.00	1627

REDUCER SMALL END MJ (SEB)			N20-3710	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x2	529248	505105	\$256.00	16
4x3	051343	134008	\$104.00	18
6x3	051350	134022	\$179.00	27
6x4	051367	134046	\$130.00	26
8x4	051374	134060	\$217.00	31
8x6	051381	134084	\$197.00	39
10x4	051275	133865	\$290.00	44
10x6	051282	133889	\$303.00	46
10x8	051299	133902	\$324.00	47
12x4	051312	133940	\$414.00	62
12x6	051329	133964	\$432.00	64
12x8	051336	133988	\$339.00	65
12x10	051305	133926	\$409.00	61
14x6	391114	078551	\$951.00	100
14x8	391131	078565	\$1,208.00	99
14x12	293388	078612	\$1,202.00	90
16x6	056591	134381	\$907.00	125
16x8	056621	134398	\$887.00	134
16x10	056553	134343	\$898.00	124
16x12	056577	134367	\$821.00	108
18x8	391183	078725	\$1,684.00	178
18x12	056645	134404	\$1,120.00	150
18x16	*	*	\$1,930.00	*
20x8	053935	053937	\$2,612.00	265
20x10	056683	134428	\$1,694.00	230
20x12	056706	134435	\$1,270.00	170
20x14	056713	248958	\$1,459.00	198
20x16	056720	134442	\$1,383.00	185
24x8	109459	109458	\$3,016.00	313
24x12	056744	134466	\$2,053.00	275
24x16	056768	134473	\$2,128.00	285
24x18	478614	478615	\$2,403.00	300
24x20	056782	134480	\$2,299.00	276
30x16	448983	448976	\$4,579.00	573
30x20	478607	514015	\$4,714.00	590
30x24	105931	105932	\$5,657.00	520
36x16	*	*	\$7,928.00	*
36x20	449027	449010	\$6,866.00	860
36x24	449393	449386	\$5,957.00	746
36x30	478652	500407	\$6,674.00	788
42x24	109465	109466	\$10,251.00	1204
42x30	395739	395738	\$7,928.00	931
42x36	535134	535135	\$8,711.00	1023
48x30	477593	477594	\$16,451.00	1600
48x42	395745	395746	\$17,516.00	1412

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

REDUCER PEXPE			N20-3780	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x3	051534	136507	\$100.00	14
6x3	051558	136514	\$157.00	23
6x4	051572	136521	\$152.00	24
8x4	051596	136538	\$226.00	33
8x6	051619	136545	\$238.00	35
10x4	*	136442	\$502.00	*
10x6	051411	136446	\$312.00	46
10x8	051435	136453	\$322.00	47
12x4	051473	136477	\$394.00	58
12x6	051497	136484	\$394.00	58
12x8	051510	136491	\$405.00	60
12x10	051459	136460	\$367.00	59
14x12	*	*	\$603.00	*
16x6	056980	244592	\$676.00	93
16x8	057024	244615	\$877.00	121
16x10	056881	244554	\$863.00	119
16x12	056928	244578	\$719.00	99
16x14	*	*	\$1,142.00	*
18x10	*	056929	\$2,655.00	190
18x12	*	*	\$996.00	*
20x12	*	*	\$2,468.00	*
20x16	*	*	\$2,511.00	*
24x8	*	*	\$2,253.00	*
24x20	*	*	\$2,462.00	*
30x16	*	*	\$10,240.00	*

SLEEVE MJ LONG SOLID			N20-4930	
Size	Bare UPC 670610	TC UPC 670610	Less Acc.	Weight
2	*	507376	\$136.00	18
3	051664	137351	\$103.00	22
4	051688	137375	\$117.00	20
6	051701	137399	\$196.00	42
8	051725	137412	\$315.00	59
10	051626	137313	\$377.00	69
12	051640	137337	\$507.00	78
14	057291	137436	\$766.00	139
16	057314	137450	\$969.00	176
18	057338	137474	\$1,278.00	210
20	057376	137498	\$1,543.00	254
24	057413	137504	\$2,031.00	334
30	105619	137290	\$4,253.00	644
36	105626	137306	\$5,970.00	349
42	452676	045960	\$7,983.00	1116
48	522027	045953	\$11,213.00	1384

SLEEVE MJ SHORT SOLID			N20-4910	
Size	Bare UPC 670610	TC UPC 670610	Less Acc.	Weight
3	051671	137368	\$88.00	13
4	051695	137382	\$83.00	14
6	051718	137405	\$147.00	25
8	051732	137429	\$190.00	34
10	051633	137320	\$342.00	52
12	051657	137344	\$384.00	58
14	057307	137443	\$721.00	108
16	057321	137467	\$896.00	135
18	057352	137481	\$1,170.00	159
20	057390	249849	\$1,431.00	194
24	057420	137511	\$1,893.00	254
30	105596	045823	\$3,892.00	487
36	105602	045830	\$5,282.00	661
42	113119	113102	\$7,513.00	882
48	113133	113126	\$9,389.00	1102

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

TEE MJxMJ			N20-2410	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
2	507381	507383	\$144.00	18
3x2	509652	509653	\$292.00	45
3	052043	101239	\$163.00	29
4x2	506882	506881	\$259.00	36
4x3	052081	101277	\$197.00	30
4	052067	101253	\$173.00	35
6x3	052135	101314	\$238.00	42
6x4	052159	101390	\$288.00	52
6x4x6	506480	506481	\$694.00	60
6	052104	101291	\$310.00	58
6x6x8	506484	506485	\$608.00	62
8x3	054863	101437	\$378.00	58
8x4	054894	101451	\$335.00	60
8x6	054917	101475	\$384.00	72
8x6x6	506482	506483	\$969.00	75
8x6x8	506487	506488	\$969.00	85
8	054740	101413	\$464.00	87
10x3	051824	101031	\$492.00	75
10x4	051831	101055	\$511.00	78
10x6	051855	101079	\$496.00	90
10x8	051886	101093	\$580.00	105
10	051800	101017	\$662.00	120
12x3	051954	101154	\$670.00	101
12x4	051961	101178	\$627.00	94
12x6	051985	101192	\$627.00	114
12x8	052012	101215	\$721.00	131
12x10	051930	101130	\$927.00	140
12	051916	101116	\$924.00	168
14x6	057550	103233	\$998.00	182
14x8	057611	103240	\$1,131.00	206
14x10	057499	103219	\$1,507.00	229
14x12	057536	103226	\$1,619.00	245
14	057451	103202	\$1,533.00	280
16x4	103291	103292	\$2,372.00	230
16x6	057772	103295	\$1,287.00	235
16x8	057833	103301	\$1,398.00	255
16x10	057673	103264	\$1,849.00	280
16x12	057710	103271	\$1,671.00	305
16x14	057758	103288	\$2,281.00	345
16	057635	103257	\$2,109.00	385
18x4	103327	103326	\$3,409.00	270

TEE MJxMJ			N20-2410	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
18x6	057895	103325	\$1,881.00	310
18x8	057956	103332	\$2,039.00	335
18x10	093404	093381	\$2,083.00	283
18x12	093435	093411	\$2,417.00	398
18x14	028499	512493	\$3,126.00	425
18x16	093459	093442	\$3,264.00	444
18	057871	103318	\$3,148.00	518
20x6	058052	103394	\$2,116.00	348
20x8	058090	103400	\$2,164.00	356
20x10	057987	103356	\$2,928.00	417
20x12	057994	103363	\$2,677.00	441
20x14	028529	510437	\$3,346.00	455
20x16	058014	103370	\$2,635.00	434
20x18	058038	103387	\$4,301.00	585
20	057970	103349	\$2,902.00	478
24x6	058298	103479	\$2,547.00	412
24x8	058373	103486	\$2,577.00	424
24x10	058137	103424	\$3,460.00	516
24x12	058151	103431	\$2,994.00	452
24x14	058199	249818	\$4,101.00	585
24x16	058212	103448	\$3,769.00	581
24x18	058250	103455	\$4,355.00	675
24x20	058274	103462	\$4,834.00	658
24	058113	103417	\$4,305.00	709
30x4	*	*	\$6,668.00	*
30x6	049760	099758	\$4,324.00	654
30x8	105480	045854	\$4,880.00	739
30x10	*	490692	\$8,613.00	785
30x12	105497	099703	\$5,479.00	830
30x16	105503	099710	\$6,330.00	959
30x18	508397	508403	\$9,487.00	1085
30x20	105510	249825	\$6,695.00	1014
30x24	105527	099734	\$7,000.00	1060
30	049753	356349	\$9,024.00	1323
36x6	484820	484844	\$8,783.00	1100
36x8	484868	484875	\$8,387.00	1287
36x10	113154	113136	\$7,283.00	1100
36x12	113157	113140	\$7,283.00	1102
36x16	105534	099796	\$7,859.00	1190
36x18	478646	478648	\$14,505.00	1410
36x20	478676	529088	\$14,505.00	1650

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

TEE MJxMJ			N20-2410	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
36x24	105541	99819	\$9,935.00	1446
36x30	105558	249832	\$11,058.00	1675
36	105565	99772	\$13,094.00	1984
42x6	490710	490711	\$17,384.00	1600
42x8	*	490715	\$16,813.00	1975
42x12	490716	490717	\$18,728.00	1950
42x16	465676	465683	\$17,368.00	2040
42x18	*	*	\$20,136.00	*
42x20	*	*	\$20,136.00	*
42x24	112463	112464	\$16,120.00	2295
42x30	112487	112488	\$16,416.00	2337
42x36	113171	113164	\$20,981.00	2987
42	454021	45946	\$22,252.00	3168
48x6	113691	*	\$28,921.00	1725
48x8	113685	113686	\$30,211.00	2100
48x12	113689	113690	\$21,282.00	2500
48x16	112466	112467	\$28,830.00	2405
48x18	*	*	\$28,830.00	*
48x20	113191	113192	\$28,830.00	2600
48x24	112470	112471	\$19,821.00	2822
48x30	112589	113200	\$35,212.00	2976
48x36	113195	113188	\$27,962.00	3981
48x42	459261	459262	\$35,448.00	4100
48	112587	112563	\$29,855.00	4250

TEE MJxPEMJ			N20-2620	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
6	514787	514725	\$356.00	57
8x6	*	*	\$470.00	69
8	514770	514732	\$539.00	77
10	514794	514749	\$820.00	120
12	514800	514756	\$1,229.00	170

TEE 2" TAP MJ			N20-2965	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	051763	100935	\$199.00	22
4	051770	100959	\$223.00	29
6	051787	100973	\$260.00	44
8	051794	100997	\$432.00	50
10	051749	100898	\$927.00	73
12	051756	100911	\$1,163.00	165
16	057437	103196	\$1,256.00	178

TEE MJxFE			N20-2870	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	052050	136576	\$212.00	32
4x3	052098	136583	\$239.00	34
4	052074	422501	\$226.00	40
6x3	052142	243717	\$342.00	53
6x4	052166	422525	\$357.00	56
6	052111	422518	\$357.00	80
8x3	054850	054852	\$649.00	70
8x4	054900	422549	\$416.00	74
8x6	054924	422556	\$431.00	80
8	054832	422532	\$550.00	99
10x4	051848	136552	\$590.00	90
10x6	051862	422440	\$734.00	116
10x8	051893	136569	\$790.00	123
10	051817	422433	\$1,005.00	142
12x4	051978	422471	\$782.00	126
12x6	051992	422488	\$825.00	142
12x8	052029	422495	\$916.00	171
12x10	051947	422464	\$1,046.00	174
12	051923	422457	\$1,313.00	203
14x6	057567	131229	\$1,336.00	202
14x10	057512	248972	\$1,916.00	244
14x12	057543	248989	\$2,080.00	284
14	057475	248965	\$2,233.00	338
16x6	057796	131243	\$1,507.00	230
16x8	057857	131267	\$1,828.00	265
16x10	057697	244639	\$2,179.00	330
16x12	057734	244653	\$2,246.00	340
16	057659	248996	\$3,103.00	470
18x6	057918	131281	\$1,902.00	261
18x8	057963	131304	\$2,478.00	351
18	*	*	\$8,425.00	*
20x6	058076	131328	\$2,649.00	362
20x8	*	*	\$6,396.00	*
24x6	058311	131342	\$3,028.00	410
24x8	*	*	\$3,521.00	*
24x10	*	*	\$6,647.00	*
24x12	058168	249795	\$4,266.00	572
24x16	058236	249801	\$5,366.00	720
24	058239	058240	\$6,879.00	950
30x6	527312	485292	\$6,427.00	805
30x12	531339	531340	\$8,599.00	715
36x6	482539	482540	\$11,256.00	1175

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

LP2021-3 ND

June 1, 2021

**TYLER UNION DUCTILE IRON MJ COMPACT C153 IMPORT FITTINGS LP2021-3 ND**

TEE MJxFE			N20-2870	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
36x12	482552	482553	\$11,592.00	1190
36x24	527313	527314	\$22,068.00	1757
42x12	*	482556	\$24,888.00	1620
42x30	*	*	\$27,056.00	*

TEE MJXSWVL (INCL. SWVL GLAND)			N20-2660	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
6	052128	138549	\$357.00	67
8x6	054931	138600	\$447.00	84
8	054856	138587	\$676.00	105
10x6	051879	138488	\$566.00	94
10x8	051909	138501	\$751.00	129
12x6	052005	138518	\$643.00	117
12x8	052036	138525	\$961.00	145
14x6	057598	103806	\$1,515.00	229
16x6	057819	103813	\$1,143.00	205
16x8	103814	103815	\$2,976.00	320
18x6	057932	103820	\$2,047.00	275
20x6	058083	103837	\$2,031.00	276
24x6	058359	103844	\$2,940.00	394
30x6	058365	058372	\$9,922.00	754
36x6	*	058374	\$10,682.00	2240

TEE/CROSS UNTAPPED MJ			N20-2955	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	*	451549	\$136.00	22
4	*	*	\$159.00	23
6	*	*	\$195.00	37
8	*	*	\$352.00	53
10	*	*	\$815.00	68
12	*	*	\$1,032.00	88
16	529729	*	\$1,093.00	178

WYE MJ			N20-4110	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	055112	101673	\$226.00	34
4x2	*	*	\$507.00	*
4x3	107310	107309	\$249.00	38
4	055129	101697	\$282.00	50
6x4	055150	101734	\$290.00	52
6	055136	101710	\$422.00	77
8x4	055198	101772	\$582.00	106
8x6	055211	101796	\$489.00	88
8	055174	101758	\$615.00	109
10x4	054955	101512	\$980.00	150
10x6	054962	101536	\$1,030.00	158
10x8	054979	101550	\$1,121.00	172
10	054948	101499	\$1,368.00	210
12x4	055082	101611	\$1,398.00	211
12x6	055099	101635	\$1,453.00	220
12x8	055105	101659	\$1,560.00	236
12x10	055075	101598	\$1,832.00	277
12	055044	101574	\$1,628.00	297
14x6	058409	514041	\$2,676.00	230
14x8	028506	028507	\$5,547.00	300
14x10	*	028509	\$2,768.00	325
14	028505	514039	\$2,954.00	476
16x6	058410	034377	\$1,968.00	298
16x8	093480	093473	\$2,308.00	349
16x10	028516	536390	\$4,440.00	370
16x12	028512	107286	\$2,960.00	448
16	058397	046004	\$3,601.00	545
18x4	*	*	\$5,743.00	*
18x6	532163	518532	\$5,704.00	408
18x8	*	*	\$6,448.00	*
18x10	*	*	\$6,538.00	*
18x12	*	*	\$7,686.00	*
18	462705	462712	\$3,727.00	808
20x8	*	*	\$6,838.00	*
20	062210	062211	\$8,598.00	1191
24x16	113363	*	\$7,229.00	937
24x18	113348	113331	\$7,229.00	970
24	113362	113355	\$9,326.00	1252
30x24	*	*	\$25,094.00	*
30	*	514718	\$26,362.00	1800
36x30	*	488390	\$30,689.00	3241
36	*	514721	\$36,823.00	2320
42	*	514722	\$71,139.00	4817

\* UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

ADAPTER MJxFE			N21-4660	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	*	*	\$206.00	30
4	528005	528029	\$271.00	40
6	058458	355595	\$405.00	60
8	058472	244677	\$576.00	85
10	*	527406	\$948.00	115
12	058434	355588	\$1,176.00	155
14	*	*	\$1,410.00	195
16	060819	355601	\$1,879.00	260
18	060833	355618	\$2,245.00	313
20	060857	355625	\$2,725.00	365
24	060871	355632	\$3,413.00	457
30	087038	355649	\$6,068.00	760
36	087045	355656	\$8,544.00	1070
42	*	*	\$12,815.00	1505
48	449348	449355	\$16,519.00	1940

BEND: 90° (1/4) MJ			N21-0010	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
2	*	*	\$258.00	*
3	058717	103967	\$233.00	35
4	058809	104001	\$294.00	55
6	058854	104049	\$451.00	85
8	058939	104087	\$721.00	136
10	058557	103882	\$1,280.00	190
12	058632	103929	\$1,400.00	256
14	060932	104803	\$2,641.00	400
16	060994	104841	\$3,169.00	480
18	061090	104889	\$4,715.00	642
20	061168	104926	\$5,330.00	725
24	061250	104964	\$6,879.00	1021
30	087113	110309	\$12,162.00	1843
36	087199	137931	\$16,586.00	2513
42	105732	045182	\$29,030.00	3410
48	105749	045144	\$39,114.00	4595

BEND: 45° (1/8) MJ			N21-0510	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
2	*	*	\$171.00	*
3	058694	103950	\$200.00	30
4	058793	103998	\$269.00	49
6	058847	104032	\$401.00	77
8	058915	104070	\$586.00	117
10	058533	103875	\$930.00	155
12	058618	103912	\$1,178.00	215
14	060925	104797	\$1,953.00	270
16	060970	104834	\$2,445.00	370
18	061083	104872	\$3,226.00	467
20	061151	104919	\$3,424.00	527
24	061236	104957	\$4,785.00	754
30	087090	110293	\$9,572.00	1451
36	087182	137924	\$14,358.00	2176
42	105756	045199	\$25,156.00	2955
48	105763	045151	\$34,732.00	4080

BEND: 22-1/2° (1/16) MJ			N21-1010	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
2	*	*	\$180.00	*
3	058670	103943	\$200.00	30
4	058779	103981	\$324.00	50
6	058830	104025	\$421.00	75
8	058908	104063	\$870.00	110
10	058519	103868	\$1,042.00	159
12	058595	103905	\$1,275.00	198
14	060918	104780	\$1,988.00	275
16	060956	104827	\$2,494.00	317
18	061076	104865	\$3,207.00	430
20	061144	104902	\$4,190.00	570
24	061229	104940	\$4,684.00	758
30	087076	110286	\$9,225.00	1398
36	087175	247555	\$13,994.00	2121
42	105770	045205	\$25,710.00	3020
48	105787	045168	\$35,498.00	4170

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021



**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

<b>BEND: 11-1/4° (1/32) MJ</b>			<b>N21-1510</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
2	*	*	\$255.00	*
3	058656	103936	\$196.00	29
4	058755	103974	\$324.00	50
6	058823	104018	\$484.00	75
8	058892	104056	\$615.00	110
10	058496	103851	\$1,042.00	160
12	058571	103899	\$1,453.00	220
14	060895	104773	\$1,988.00	275
16	060949	104810	\$2,494.00	345
18	061069	104858	\$3,309.00	450
20	061137	104896	\$4,203.00	540
24	061212	104933	\$5,676.00	762
30	087052	107859	\$11,228.00	1407
36	087168	110316	\$17,245.00	2160
42	105794	045212	\$25,838.00	3035
48	106005	045175	\$35,670.00	4190

<b>BEND: 22-1/2° (1/16) MJxFE</b>			<b>N21-1120</b>	
Size	Bare UPC 670610	UPC 670610	Less Acc.	Weight
4	*	*	\$631.00	45
6	*	*	\$376.00	69
8	*	*	\$665.00	105
10	*	*	\$960.00	155
12	*	*	\$1,520.00	215
16	*	*	\$2,057.00	360
18	*	*	\$2,207.00	422
20	*	*	\$7,144.00	575
24	*	*	\$6,362.00	800

<b>BEND: 90° (1/4) MJxFE</b>			<b>N21-0170</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4	516523	516520	\$338.00	38
6	*	516522	\$468.00	75
8	*	516533	\$727.00	118
10	*	*	\$1,037.00	177
12	*	*	\$1,775.00	246
16	*	*	\$3,036.00	465
18	516537	516536	\$3,889.00	496
20	515638	*	\$4,596.00	745
24	*	*	\$9,030.00	1150

<b>BEND: 45° (1/8) MJxFE</b>			<b>N21-0650</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4	*	*	\$281.00	45
6	*	*	\$437.00	69
8	*	*	\$665.00	105
10	*	*	\$1,037.00	155
12	*	*	\$1,329.00	215
16	*	*	\$2,351.00	360
18	484511	484507	\$3,219.00	422
20	*	*	\$4,596.00	543
24	*	484510	\$6,854.00	875
30	*	484509	\$12,173.00	1250

<b>BEND: 11-1/4° (1/32) MJxFE</b>			<b>N21-1120</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4	*	*	\$582.00	45
6	*	*	\$445.00	69
8	*	*	\$652.00	105
10	*	*	\$1,597.00	155
12	*	*	\$1,329.00	215
16	*	*	\$2,394.00	360
18	*	*	\$2,917.00	422
20	*	*	\$7,144.00	575
24	*	*	\$6,362.00	800

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

<b>BEND: 90° (1/4) MJxPE</b>			<b>N21-0120</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	058731	244813	\$238.00	35
4	106012	244851	\$340.00	50
6	058885	244936	\$627.00	97
8	058977	244998	\$983.00	153
10	106029	244738	\$1,280.00	190
12	106036	244790	\$1,713.00	255
14	*	*	\$3,893.00	325
16	061052	245445	\$2,960.00	410
18	061120	245803	\$3,877.00	520
20	061205	245926	\$4,843.00	650
24	061335	247364	\$7,341.00	985
30	087151	097143	\$12,654.00	1585
36	087236	097228	\$18,439.00	2310
42	*	*	\$33,322.00	*
48	*	*	\$59,060.00	*

<b>BEND: 45° (1/8) MJxPE</b>			<b>N21-0600</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	519806	519805	\$206.00	30
4	058816	244837	\$310.00	48
6	058878	244912	\$524.00	81
8	106043	244974	\$790.00	123
10	106050	244714	\$1,131.00	168
12	106067	244776	\$1,445.00	215
14	*	*	\$1,845.00	*
16	061038	245421	\$2,112.00	320
18	061113	245469	\$2,945.00	395
20	061199	245841	\$3,727.00	500
24	061311	245988	\$5,254.00	715
30	087144	097129	\$10,180.00	1275
36	087229	097204	\$15,406.00	1930
42	*	*	\$30,466.00	*
48	*	*	\$44,172.00	*

<b>BEND: 22-1/2° (1/16) MJxPE</b>			<b>N21-1110</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	*	*	\$699.00	*
4	*	519799	\$308.00	45
6	058861	244875	\$474.00	70
8	058953	244950	\$710.00	105
10	106074	244691	\$1,076.00	160
12	106081	244752	\$1,476.00	220
16	061014	245407	\$2,351.00	325
18	061106	245780	\$3,023.00	405
20	061175	245827	\$3,767.00	505
24	061298	245964	\$5,405.00	725
30	087137	097105	\$11,176.00	1400
36	087212	097181	\$15,725.00	1970
42	*	*	\$33,101.00	*

<b>BEND: 11-1/4° (1/32) MJxPE</b>			<b>N21-1600</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	*	*	\$432.00	*
4	*	*	\$673.00	*
6	*	*	\$881.00	*
8	*	538059	\$710.00	105
12	*	*	\$939.00	*
14	*	*	\$4,854.00	260
16	*	*	\$5,959.00	325
20	*	*	\$7,093.00	510
24	061274	245940	\$5,442.00	730
30	087120	097082	\$10,419.00	1305
36	087205	097167	\$15,804.00	1980
48	*	*	\$44,663.00	3925

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

CAP SOLID MJ			N21-2310	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
2	059035	249870	\$69.00	5
3	106852	249887	\$80.00	12
4	059059	249894	\$101.00	15
6	059073	249900	\$146.00	25
8	059097	249917	\$256.00	40
10	058991	249856	\$394.00	60
12	059011	249863	\$529.00	80
14	061360	*	\$1,076.00	102
16	061359	054320	\$1,084.00	150
18	061373	054337	\$1,290.00	175
20	061380	054344	\$1,767.00	240
24	061397	054351	\$2,575.00	345
30	087243	093893	\$4,714.00	590
36	087250	034117	\$6,789.00	850
42	464204	111252	\$10,047.00	1180
48	111771	111269	\$13,578.00	1595

CAP 2" TAP MJ			N21-2320	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
2	*	*	\$120.00	5
3	106869	249962	\$133.00	12
4	059134	249986	\$152.00	9
6	059141	250012	\$197.00	30
8	059158	250043	\$308.00	45
10	059103	249924	\$446.00	60
12	059110	249931	\$582.00	80
14	*	*	\$1,158.00	110
16	061403	054580	\$1,170.00	155
18	061410	085096	\$1,398.00	114
20	061427	085102	\$1,874.00	125
24	061434	085126	\$2,681.00	166
30	087267	093909	\$4,871.00	590
36	*	485681	\$6,948.00	850
42	*	470779	\$10,261.00	1110
48	*	*	\$13,795.00	1595

CROSS MJ			N21-3010	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4	*	*	\$710.00	105
6x4	*	*	\$943.00	140
6	106180	104155	\$1,026.00	160
8x4	106203	104179	\$1,246.00	185
8x6	106210	104186	\$1,381.00	205
8	059172	104162	\$1,506.00	235
10x4	*	*	\$2,586.00	260
10x6	106227	104100	\$1,914.00	285
10x8	106234	104117	\$2,080.00	310
10	106241	104094	\$2,549.00	380
12x4	*	*	\$2,857.00	340
12x6	106265	104131	\$2,417.00	360
12x8	106272	104148	\$2,544.00	385
12x10	*	100814	\$4,288.00	460
12	106289	104124	\$3,267.00	495
14x6	*	*	\$4,342.00	475
14x8	061472	104988	\$3,249.00	450
14x10	*	*	\$5,964.00	540
14x12	*	*	\$5,964.00	585
14	061458	104971	\$4,586.00	635

CROSS MJ			N21-3010	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
16x4	*	*	\$5,756.00	*
16x6	061519	105008	\$4,152.00	575
16x8	061533	105015	\$4,369.00	605
16x10	*	105018	\$6,463.00	645
16x12	*	105028	\$8,615.00	685
16x14	*	*	\$10,075.00	735
16	061496	104995	\$5,703.00	790
18x6	*	*	\$6,186.00	625
18x8	061618	105053	\$4,729.00	644
18x10	061571	105039	\$5,106.00	685
18x12	061595	105046	\$5,405.00	725
18x14	*	*	\$9,304.00	870
18x16	*	105047	\$9,534.00	930
18	061557	105022	\$7,415.00	995
20x6	*	*	\$10,459.00	760
20x8	061687	105091	\$5,800.00	789
20x10	*	*	\$7,928.00	820
20x12	061656	105077	\$6,411.00	860
20x14	*	*	\$9,143.00	905
20x16	061670	105084	\$8,087.00	1085

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

CROSS MJ			N21-3010	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
20x18	*	*	\$10,436.00	1155
20	061632	105060	\$9,166.00	1230
24x6	113386	113379	\$7,531.00	1025
24x8	061748	105145	\$7,788.00	1045
24x10	*	*	\$11,342.00	1085
24x12	061700	105114	\$8,264.00	1109
24x14	*	*	\$11,078.00	1155
24x16	061717	105121	\$8,944.00	1200
24x18	*	*	\$14,770.00	1590
24x20	061731	105138	\$12,480.00	1675
24	061694	105107	\$13,673.00	1835
30x6	087304	137979	\$14,130.00	1770
30x8	*	*	\$17,351.00	1795
30x10	*	*	\$18,218.00	1830
30x12	087281	137955	\$14,888.00	1865
30x14	*	*	\$31,833.00	1905
30x16	*	*	\$27,886.00	1950
30x18	*	*	\$27,942.00	2000
30x20	*	*	\$25,320.00	2060
30x24	087298	137962	\$21,351.00	2675
30	087274	137948	\$24,544.00	3075
36x12	*	112440	\$20,992.00	2630
36x14	*	*	\$25,459.00	2665
36x16	*	*	\$36,127.00	2705
36x18	*	*	\$39,129.00	2750
36x20	*	*	\$36,829.00	2805
36x24	*	*	\$33,281.00	2910
36x30	*	*	\$45,332.00	3965
36	087311	137986	\$34,877.00	4370
42x24	*	*	\$88,131.00	3910
42x30	*	*	\$111,280.00	5040
42x36	*	*	\$136,373.00	5425
42	*	536284	\$145,433.00	7145
48x24	*	*	\$56,888.00	5210
48x30	*	*	\$59,877.00	5495
48x36	464228	112457	\$57,801.00	6790
48x42	*	*	\$84,019.00	8815
48	*	*	\$108,151.00	9380

OFFSET MJxMJ			N21-2010	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x12	059318	104254	\$576.00	85
4x18	059332	104261	\$710.00	105
4x24	*	456155	\$843.00	125
6x6	059493	104308	\$740.00	110
6x12	059370	104278	\$909.00	135
6x18	059417	104285	\$1,110.00	165
6x24	059455	104292	\$1,032.00	161
8x6	059592	104346	\$1,076.00	160
8x12	059516	104315	\$1,342.00	200
8x18	059554	104322	\$1,625.00	254
8x24	059578	104339	\$1,700.00	266
10x12	*	*	\$2,371.00	250
10x18	059219	104209	\$2,282.00	340
10x24	059233	104216	\$2,816.00	420
12x6	*	*	\$4,968.00	320
12x12	059257	104223	\$2,816.00	420
12x18	059271	104230	\$3,488.00	520
12x24	059295	104247	\$4,292.00	640
16x12	105150	105149	\$4,742.00	600
16x18	*	105166	\$4,993.00	710
20x12	061755	105152	\$5,405.00	725
20x18	061779	105169	\$8,868.00	1190
20x24	*	*	\$20,978.00	1246

OFFSET MJxPE			N21-2070	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x6	*	*	\$810.00	82
4x12	*	034103	\$832.00	80
4x24	*	245008	\$1,093.00	115
6x6	*	*	\$993.00	105
6x12	059394	423232	\$876.00	130
6x18	059431	423249	\$1,015.00	160
6x24	059479	245018	\$1,005.00	157
8x6	*	*	\$1,852.00	155
8x12	059530	034124	\$1,392.00	207
8x18	*	*	\$2,790.00	240
8x24	*	*	\$2,016.00	285
12x6	*	*	\$3,040.00	320
12x12	*	*	\$5,274.00	420
12x18	*	*	\$6,173.00	520

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

PLUG SOLID MJ			N21-2210	
Size	Bare UPC 670610	TC UPC 670610	Less Acc.	Weight
2	513256	513254	\$66.00	8
3	106739	250098	\$69.00	10
4	059677	250104	\$101.00	15
6	059691	250111	\$164.00	25
8	059707	250128	\$292.00	45
10	059615	250074	\$427.00	65
12	059639	250081	\$563.00	85
14	106746	093770	\$834.00	115
16	061793	093787	\$1,026.00	155
18	061816	093794	\$892.00	215
20	061830	093800	\$1,767.00	240
24	061854	093817	\$2,500.00	390
30	087328	093923	\$4,595.00	575
36	087335	034131	\$6,508.00	815
42	*	111276	\$9,453.00	1110
48	*	111283	\$12,389.00	1455

PLUG 2" TAP MJ			N21-2220	
Size	Bare UPC 670610	TC UPC 670610	Less Acc.	Weight
2	*	250156	\$117.00	5
3	106753	250166	\$120.00	8
4	106760	250197	\$152.00	10
6	106777	250227	\$217.00	16
8	106784	250241	\$342.00	26
10	106791	250135	\$477.00	36
12	106807	250142	\$615.00	46
14	106814	093824	\$917.00	115
16	061878	093831	\$1,109.00	145
18	106821	093848	\$1,000.00	121
20	061892	093855	\$1,874.00	135
24	106838	093879	\$2,606.00	335
30	106845	093930	\$4,752.00	355
36	*	477969	\$6,668.00	815
42	*	*	\$10,785.00	1110
48	*	*	\$14,389.00	1455

REDUCER MJxMJ			N21-3510	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3x2	*	506492	\$212.00	24
4x2	*	506508	\$212.00	32
4x3	059899	104421	\$259.00	40
6x2	*	508458	\$312.00	45
6x3	059912	104438	\$357.00	55
6x4	059936	104445	\$339.00	60
8x3	*	*	\$641.00	84
8x4	059950	104452	\$555.00	86
8x6	059967	104469	\$533.00	95
10x4	491195	491194	\$998.00	105
10x6	059790	104353	\$751.00	115
10x8	059813	104360	\$884.00	135
12x4	059837	104391	\$956.00	144
12x6	059851	104407	\$1,191.00	165
12x8	059875	104414	\$1,093.00	174
12x10	059820	104384	\$1,256.00	183
14x6	*	522737	\$1,227.00	190
14x8	*	*	\$1,520.00	210
14x10	062175	062174	\$1,718.00	250
14x12	062173	*	\$1,847.00	250
16x6	062233	105206	\$1,663.00	230
16x8	062240	105213	\$2,179.00	330
16x10	062172	105176	\$1,983.00	300
16x12	062196	105183	\$2,379.00	360
16x14	062219	105190	\$2,421.00	335
18x8	062295	105268	\$2,202.00	295
18x10	062257	105220	\$2,427.00	325
18x12	062264	105237	\$2,612.00	350
18x14	062271	105244	\$2,836.00	380
18x16	062288	105251	\$3,096.00	415
20x6	*	*	\$5,203.00	365
20x8	062302	*	\$5,416.00	345
20x10	062301	105275	\$2,758.00	375
20x12	062318	105282	\$3,023.00	405
20x14	*	*	\$4,601.00	430

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

REDUCER MJxMJ			N21-3510	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
20x16	062325	105299	\$3,505.00	470
20x18	062332	105305	\$3,804.00	510
24x8	*	*	\$6,150.00	575
24x12	062349	105312	\$4,101.00	550
24x14	*	*	\$5,952.00	575
24x16	062356	105329	\$4,586.00	615
24x18	062363	105336	\$4,920.00	660
24x20	062370	105343	\$5,256.00	705
30x12	*	*	\$8,213.00	920
30x16	087434	137993	\$7,865.00	985
30x18	087458	138006	\$7,904.00	990
30x20	087472	138013	\$8,387.00	1050
30x24	087489	138020	\$9,303.00	1165
36x14	*	*	\$20,036.00	1303
36x16	*	*	\$14,614.00	*
36x18	*	*	\$15,288.00	*
36x20	087496	138037	\$11,576.00	1450
36x24	087502	138044	\$12,610.00	1580
36x30	087519	138051	\$14,807.00	1855
42x20	454816	454823	\$16,305.00	1915
42x24	106333	045366	\$17,537.00	2060
42x30	106340	045359	\$20,176.00	2370
42x36	106357	045342	\$22,945.00	2695
48x24	*	*	\$25,652.00	2509
48x30	106364	045335	\$25,581.00	3005
48x36	106371	045328	\$28,690.00	3370
48x42	106432	045311	\$31,921.00	3750

REDUCER LARGE END (LEB)			N21-3700	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x3	106494	134602	\$271.00	40
6x3	106500	134626	\$371.00	55
6x4	106517	134640	\$405.00	60
8x3	*	*	\$515.00	70
8x4	106524	134664	\$540.00	80
8x6	106531	134688	\$662.00	98
10x6	106548	134503	\$774.00	115
10x8	106555	134527	\$876.00	130
12x4	*	*	\$1,294.00	135
12x6	106562	134565	\$977.00	145
12x8	106579	134589	\$1,110.00	165
12x10	106586	134541	\$1,246.00	185
16x8	*	061916	\$3,067.00	250
16x10	*	*	\$3,372.00	*
16x12	061915	134923	\$2,206.00	305
20x10	*	*	\$4,015.00	375
20x16	061939	134947	\$3,319.00	445
24x16	061953	134961	\$4,437.00	595
24x20	061977	134985	\$5,032.00	675
30x16	*	*	\$11,218.00	910
30x18	*	*	\$11,340.00	965
30x20	481003	*	\$8,142.00	1020
30x24	087342	135180	\$8,982.00	1125
36x20	087359	135203	\$11,336.00	1420
36x24	087366	135227	\$12,255.00	1535
36x30	*	*	\$13,336.00	1750
42x30	*	*	\$30,110.00	2265
42x36	*	*	\$33,372.00	2530
48x42	*	*	\$56,473.00	3540

\*UPC to be assigned

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Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

<b>REDUCER SMALL END (SEB) N21-3710</b>				
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3x2	*	*	\$323.00	14
4x2	*	*	\$265.00	18
4x3	059745	134824	\$238.00	35
6x2	*	074824	\$330.00	43
6x3	106449	134848	\$340.00	50
6x4	059752	134862	\$405.00	60
8x3	*	*	\$515.00	77
8x4	059769	134886	\$540.00	80
8x6	059776	134909	\$608.00	90
10x6	106456	134701	\$774.00	115
10x8	106463	134725	\$876.00	130
12x4	106470	134763	\$876.00	130
12x6	106487	134787	\$1,010.00	150
12x8	059738	134800	\$1,110.00	165
12x10	059714	134749	\$1,280.00	190
16x8	062011	135029	\$1,663.00	230
16x12	061991	135005	\$2,061.00	285
16x14	*	*	\$4,090.00	310
18x12	062035	135043	\$2,427.00	325
20x8	*	*	\$5,323.00	345
20x12	062059	135067	\$2,799.00	375
20x16	062073	135081	\$3,244.00	435
20x18	*	*	\$5,323.00	345
24x12	062097	135104	\$3,804.00	510
24x14	*	*	\$6,673.00	535
24x16	062110	135128	\$4,287.00	575
24x18	062134	135142	\$4,623.00	620
24x20	062158	135166	\$4,956.00	665
30x16	087373	135241	\$7,185.00	900
30x18	087380	135265	\$7,067.00	885
30x20	087397	135289	\$7,545.00	945
30x24	087403	135302	\$8,462.00	1060
36x20	*	*	\$17,784.00	1285
36x24	*	52242	\$20,157.00	1500
36x30	087410	135326	\$13,490.00	1690
42x30	*	*	\$27,644.00	2165
42x36	*	*	\$29,525.00	2485
48x36	*	*	\$26,388.00	3100

<b>REDUCER MJxFE N21-3860</b>				
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x3	508281	508526	\$233.00	35
6x3	508304	508618	\$357.00	49
6x4	451471	465416	\$371.00	55
8x4	508328	508632	\$501.00	75
8x6	508335	504986	\$526.00	95
10x6	508342	508656	\$615.00	105
10x8	508359	508694	\$804.00	130
12x6	508366	508700	\$804.00	145
12x8	508373	508717	\$1,171.00	175
12x10	508380	508724	\$1,142.00	185
14x6	508410	508731	\$1,269.00	195
14x8	508427	508748	\$1,560.00	215
14x12	508434	508755	\$1,560.00	270
16x12	508441	508762	\$2,470.00	325
18x8	508465	508779	\$2,238.00	300
18x12	508472	508474	\$3,023.00	360
18x16	508489	508793	\$3,319.00	445
20x16	508489	508809	\$3,804.00	510
24x12	508502	508816	\$5,248.00	455

<b>REDUCER FExMJ N21-3910</b>				
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x3	507918	508069	\$226.00	34
6x4	507925	508090	\$329.00	60
8x4	507932	508113	\$451.00	80
8x6	507949	451556	\$543.00	97
10x6	507956	508144	\$734.00	114
10x8	507963	508151	\$804.00	130
12x6	508007	508168	\$895.00	151
12x8	508014	508236	\$1,048.00	183
12x10	508021	508243	\$1,158.00	190
16x12	508038	508250	\$1,987.00	305

\*UPC to be assigned

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Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

<b>REDUCER PE<sub>x</sub>PE</b>			<b>N21-3780</b>	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x3	*	*	\$328.00	35
6x4	*	*	\$511.00	55
8x6	*	*	\$925.00	85
12x8	*	*	\$1,571.00	165
18x16	*	*	\$3,563.00	370
20x14	*	*	\$4,437.00	385
24x16	*	*	\$5,938.00	555
30x18	*	*	\$24,430.00	*
30x24	483717	*	\$26,388.00	1020
36x24	483721	483723	\$29,805.00	1450
36x30	*	*	\$31,202.00	1585

<b>MJ DUAL LONG SLEEVE</b>			<b>N21-4945</b>	
Size	Bare UPC 670610	TC UPC 670610	Less Acc.	Weight
4	*	506220	\$602.00	45
6	506226	506225	\$427.00	65
8	*	506232	\$563.00	85
10	*	506249	\$725.00	115
12	*	506250	\$1,892.00	159
16	*	069073	\$4,298.00	250

<b>SLEEVE MJ LONG SOLID</b>			<b>N21-4930</b>	
Size	Bare UPC 670610	TC UPC 670610	Less Acc.	Weight
2	*	*	\$229.00	15
3	060000	137566	\$206.00	30
4	060017	357643	\$256.00	43
6	060031	357667	\$367.00	65
8	060062	357681	\$451.00	90
10	059974	137528	\$774.00	118
12	059981	137542	\$871.00	154
14	515620	515623	\$1,410.00	195
16	062387	357704	\$1,587.00	290
18	062400	357728	\$2,270.00	373
20	086468	357742	\$2,304.00	379
24	086482	357766	\$3,040.00	492
30	087533	138204	\$7,132.00	1080
36	087557	138570	\$8,598.00	1459
42	106302	045380	\$9,719.00	1550
48	106326	045373	\$15,484.00	2469

<b>SLEEVE MJ SHORT SOLID</b>			<b>N21-4910</b>	
Size	Bare UPC 670610	TC UPC 670610	Less Acc.	Weight
2	*	*	\$130.00	12
3	*	*	\$285.00	25
4	060024	357650	\$229.00	35
6	060055	357674	\$256.00	45
8	060079	357698	\$367.00	65
10	106296	137535	\$556.00	85
12	059998	137559	\$731.00	110
14	*	*	\$1,441.00	370
16	062394	357711	\$1,240.00	187
18	086451	357735	\$1,607.00	215
20	086475	357759	\$1,793.00	240
24	086499	357773	\$2,766.00	370
30	087526	045816	\$6,023.00	754
36	087540	045847	\$8,221.00	1030
42	*	*	\$9,495.00	1115
48	113218	113201	\$14,266.00	1675

\*UPC to be assigned

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Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021



**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

TEE MJxMJ			N21-2410	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
2	*	*	\$206.00	22
3x2	464235	451747	\$308.00	45
3	060390	104551	\$414.00	63
4x2	*	*	\$929.00	57
4x3	060437	104575	\$507.00	75
4	060413	104568	\$515.00	80
6x2	*	104610	\$723.00	96
6x3	060475	104599	\$708.00	110
6x4	060482	104605	\$738.00	115
6	060451	104582	\$699.00	125
8x2	*	*	\$1,697.00	120
8x3	*	*	\$1,435.00	155
8x4	060529	104629	\$1,062.00	165
8x6	060550	104643	\$960.00	182
8	060505	104612	\$1,037.00	196
10x4	464341	464334	\$1,579.00	235
10x6	060116	104483	\$1,628.00	250
10x8	060178	104490	\$1,692.00	260
10	060086	104476	\$2,018.00	310
12x4	060277	104520	\$2,080.00	315
12x6	060314	104537	\$1,879.00	333
12x8	060352	104544	\$2,246.00	340
12x10	060253	104513	\$2,576.00	390
12	060215	104506	\$2,709.00	399
14x4	*	*	\$4,015.00	383
14x6	*	086531	\$3,142.00	435
14x8	*	*	\$3,249.00	450
14x10	*	086532	\$3,358.00	465
14x12	*	*	\$3,575.00	495
14	*	*	\$3,754.00	520
16x4	086568	105382	\$4,980.00	538
16x6	086567	105381	\$3,900.00	540
16x8	086598	105398	\$3,972.00	550
16x10	086529	105367	\$4,116.00	570
16x12	086536	105374	\$4,259.00	590
16x14	086530	*	\$4,476.00	820

TEE MJxMJ			N21-2410	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
16	086505	105350	\$4,887.00	740
18x6	086680	105428	\$4,398.00	590
18x8	086703	105435	\$4,512.00	605
18x10	*	*	\$4,623.00	620
18x12	086659	105411	\$4,770.00	640
18x14	*	*	\$5,630.00	755
18x16	*	*	\$5,853.00	785
18	086611	105404	\$6,112.00	820
20x6	086765	106623	\$5,923.00	806
20x8	086772	106630	\$6,854.00	933
20x10	*	096991	\$5,630.00	755
20x12	086741	105459	\$5,688.00	774
20x14	*	*	\$5,925.00	795
20x16	086758	106616	\$6,945.00	945
20x18	*	*	\$7,341.00	985
20	086727	105442	\$6,181.00	1019
24x4	*	*	\$8,670.00	985
24x6	086871	106708	\$7,341.00	985
24x8	086895	106715	\$7,452.00	1000
24x10	*	*	\$9,132.00	1020
24x12	086819	106654	\$7,674.00	1030
24x14	086833	106661	\$7,864.00	1055
24x16	086840	106678	\$8,080.00	1100
24x18	086857	106685	\$10,430.00	1400
24x20	086864	106692	\$12,630.00	1720
24	086796	106647	\$13,330.00	1413
30x6	087632	138136	\$13,810.00	1730
30x8	087649	138143	\$13,931.00	1745
30x10	087571	138075	\$14,048.00	1760
30x12	087588	138082	\$14,208.00	1780
30x14	*	*	\$21,554.00	1800
30x16	087595	138099	\$20,635.00	2585
30x18	087601	138105	\$14,729.00	1845
30x20	087618	138112	\$14,967.00	1875
30x24	087625	138129	\$19,154.00	2400
30	087564	138068	\$20,711.00	2595

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

TEE MJxMJ			N21-2410	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
36x6	087779	034346	\$19,954.00	2500
36x8	087793	138259	\$20,112.00	2520
36x10	087663	138167	\$20,833.00	2610
36x12	087670	138174	\$20,355.00	2550
36x14	087694	138181	\$20,513.00	2570
36x16	087717	138198	\$16,875.00	2557
36x18	087731	138211	\$20,833.00	2610
36x20	087748	138228	\$21,032.00	2635
36x24	087755	138235	\$21,471.00	2690
36x30	087762	138242	\$28,295.00	3545
36	087656	138150	\$23,362.00	3541
42x6	*	*	\$54,070.00	3440
42x12	*	454805	\$30,263.00	3555
42x14	*	*	\$30,433.00	3575
42x16	454793	454809	\$30,604.00	3595
42x18	*	*	\$57,037.00	3615
42x20	*	106094	\$57,037.00	3640
42x24	106098	045304	\$31,413.00	3690
42x30	106104	045298	\$39,584.00	4650
42x36	106111	045281	\$51,713.00	6075
42	106128	045274	\$53,799.00	6320
48x12	538255	538257	\$61,972.00	4870
48x14	*	*	\$61,828.00	4885
48x16	487135	*	\$64,405.00	4905
48x18	*	*	\$66,651.00	4925
48x20	*	*	\$60,053.00	4950
48x24	106135	045267	\$42,520.00	4995
48x30	106142	045250	\$43,755.00	5140
48x36	106159	045243	\$53,460.00	6280
48x42	106166	045236	\$69,204.00	8130
48	106173	045229	\$71,673.00	8420

TEE MJxFE			N21-2870	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
4x2	*	*	\$628.00	53
4	060420	245179	\$602.00	89
6x3	*	*	\$1,205.00	115
6x4	060499	245209	\$871.00	129
6	060468	245193	\$943.00	140
8x4	*	*	\$1,221.00	159

TEE MJxFE			N21-2870	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
8x6	060574	245384	\$1,035.00	181
8x8	060512	245216	\$1,282.00	200
10x4	060093	245032	\$1,542.00	231
10x6	060130	245056	\$1,491.00	237
10x8	060192	245070	\$1,672.00	249
12x4	060291	245117	\$2,147.00	325
12x6	060338	245131	\$2,023.00	350
12x8	060376	245155	\$3,100.00	375
14x6	*	*	\$5,005.00	457
14x8	*	*	\$7,678.00	473
16x4	086550	096825	\$4,152.00	575
16x6	086574	096849	\$4,369.00	605
16x8	086604	096863	\$4,441.00	615
16x12	086543	096801	\$4,702.00	651
16	086512	096788	\$5,270.00	730
18x6	086697	096924	\$4,956.00	665
18x8	086710	096948	\$5,032.00	675
18x12	*	096900	\$5,256.00	705
18	086635	096887	\$6,820.00	915
20x6	086786	096982	\$6,500.00	820
20x8	086789	096986	\$6,224.00	835
20x12	*	524816	\$7,171.00	865
20	086734	096962	\$8,681.00	1165
24x6	086888	097044	\$8,387.00	1125
24x8	086901	097068	\$8,492.00	1140
24x12	086826	097020	\$8,681.00	1165
24x18	*	*	\$14,596.00	1349
24	086802	097006	\$13,374.00	1795
30x6	527312	484523	\$13,650.00	1710
30x8	*	*	\$21,261.00	1725
36x6	087786	097242	\$19,954.00	2430
36x8	518044	518045	\$27,393.00	2505
36x12	478577	466758	\$20,355.00	2550
36x16	478553	478560	\$20,428.00	2450
36x24	*	*	\$29,272.00	2620
36x30	*	*	\$64,428.00	2964
36	*	*	\$64,512.00	3461
42x12	*	*	\$96,301.00	3547
42x16	*	*	\$97,071.00	3562
42x24	*	*	\$95,996.00	3527

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

<b>TEE MJxPExMJ</b>			<b>N21-2620</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
8x4	*	*	\$1,479.00	160
8	451109	451112	\$1,184.00	198
12x6	*	*	\$3,085.00	325
12x8	*	*	\$2,802.00	340
12	*	347677	\$3,462.00	410
14	*	*	\$4,296.00	500
16x8	*	*	\$4,133.00	530
16	*	498308	\$5,350.00	625
24x6	*	*	\$10,534.00	945
24x8	*	*	\$10,790.00	960
24x12	*	*	\$10,981.00	990
24x16	*	*	\$11,404.00	1035
24	*	*	\$16,706.00	1490
36x12	*	*	\$29,832.00	2375
36x24	*	*	\$34,594.00	2515
36	*	*	\$48,827.00	3565

<b>TEE MJxSWVL (W/SWVL GLAND)</b>			<b>N21-2660</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
6	515890	515906	\$798.00	191
8x6	*	513070	\$1,050.00	210
8	*	*	\$1,941.00	*
10x6	060154	304278	\$1,815.00	295
12x6	514565	514404	\$2,283.00	390
12x8	*	*	\$4,433.00	350
16x6	086581	034360	\$4,010.00	555
20x6	*	*	\$15,015.00	725
24x6	*	*	\$18,382.00	973
30x6	*	*	\$16,302.00	1730
36x6	*	112433	\$20,112.00	2520

<b>TEE/CROSS UNTAPPED MJ</b>			<b>N21-2955</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
4	478751	479550	\$308.00	45
6	478768	479567	\$474.00	70
8	478782	479574	\$747.00	104
10	478799	478800	\$876.00	130
12	478805	479581	\$1,110.00	165
16	479871	479888	\$1,967.00	272

<b>TEE 2" TAP MJ</b>			<b>N21-2965</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>Less Acc.</b>	<b>Weight</b>
3	*	*	\$419.00	*
4	*	505198	\$361.00	55
6	*	534730	\$526.00	70
8	*	505273	\$800.00	90
10	*	*	\$927.00	130
12	*	505310	\$1,163.00	177
16	*	530912	\$2,020.00	272
18	*	*	\$3,561.00	299
20	*	*	\$4,032.00	349
24	*	*	\$4,922.00	489

**TYLER UNION DUCTILE IRON MJ FULL-BODY C110 IMPORT FITTINGS LP2021-3 ND**

WYE MJ			N21-4110	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
3	060673	104704	\$405.00	60
4x3	*	*	\$695.00	*
4	060697	104711	\$608.00	90
6x4	060734	104735	\$909.00	135
6	060710	104728	\$1,122.00	175
8x4	060772	104759	\$1,280.00	190
8x6	060796	104766	\$1,381.00	205
8	060758	104742	\$1,403.00	219
10x4	*	*	\$3,233.00	270
10x6	060611	104667	\$1,914.00	285
10x8	060628	104674	\$2,050.00	305
10	060598	104650	\$2,517.00	375
12x4	*	*	\$2,852.00	375
12x6	*	*	\$3,330.00	390
12x8	060659	104698	\$2,850.00	425
12x10	*	*	\$4,271.00	500
12	060635	104681	\$3,587.00	535
14x4	*	*	\$4,261.00	529
14x6	086918	106722	\$4,082.00	565
14x8	*	*	\$4,623.00	615
14x10	*	*	\$6,458.00	650
14x12	*	*	\$6,775.00	650
14	*	*	\$5,453.00	755
16x6	*	*	\$5,560.00	770
16x8	*	*	\$5,738.00	795
16x10	*	*	\$5,991.00	830
16x12	*	*	\$6,280.00	870
16	086925	107743	\$6,424.00	890
18x6	086965	086966	\$5,442.00	960
18x8	086970	107798	\$7,004.00	1015
18x10	086949	107767	\$7,975.00	1070
18x12	086956	107774	\$8,421.00	1130
18x14	*	*	\$13,837.00	1120
18x16	086963	107781	\$8,567.00	1150
18	086932	107750	\$8,941.00	1200
20x4	*	*	\$12,999.00	613
20x6	*	*	\$12,130.00	850
20x8	*	*	\$13,277.00	657

WYE MJ			N21-4110	
Size	Bare UPC 670610	CL/TC UPC 670610	Less Acc.	Weight
20x10	086994	107811	\$9,056.00	1435
20x12	087007	107828	\$8,868.00	1260
20x14	*	*	\$15,883.00	1365
20x16	087014	107835	\$8,704.00	1168
20x18	*	*	\$16,160.00	1495
20	086987	107804	\$11,364.00	1525
24x6	*	*	\$17,516.00	1870
24x8	*	*	\$19,998.00	1870
24x12	087020	087023	\$24,656.00	1800
24x14	*	*	\$15,883.00	1365
24x16	087032	*	\$26,207.00	1490
24x18	087030	*	\$27,688.00	2060
24x20	*	*	\$22,800.00	2135
24	087021	107842	\$16,725.00	2245
30x12	*	*	\$37,322.00	3110
30x16	*	539889	\$31,324.00	3250
30x18	452904	*	\$32,337.00	2988
30x20	453957	453959	\$28,187.00	2770
30x24	539765	539767	\$30,115.00	3280
30	087809	138266	\$29,292.00	3670
36x12	*	*	\$51,750.00	4690
36x14	*	*	\$51,501.00	4672
36x16	*	514114	\$45,899.00	5040
36x18	*	*	\$49,185.00	5005
36x20	453998	*	\$42,241.00	5080
36x24	453956	453994	\$41,860.00	5390
36x30	453995	453999	\$46,284.00	5800
36	453949	453987	\$55,664.00	6975
42x24	453963	454007	\$57,969.00	6810
42x30	454779	454786	\$61,374.00	7210
42x36	453970	454014	\$71,119.00	8355
42	*	454005	\$90,976.00	9900
48x20	*	*	\$88,942.00	6545
48x30	*	464716	\$93,768.00	6569
48	538239	538240	\$95,121.00	11885

\*UPC to be assigned

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June 1, 2021

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

BEND: 90° (1/4) FE				N24-0030	
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
2	046509	131809	089773	\$136.00	16
3	046547	131847	089858	\$157.00	29
4	046592	131922	089933	\$243.00	45
6	046653	132028	089995	\$376.00	71
8	046714	132103	090052	\$614.00	116
10	046387	131625	089636	\$975.00	181
12	046455	131724	089704	\$1,267.00	231
14	048084	133124	091462	\$1,667.00	298
16	048138	133209	091516	\$2,055.00	375
18	048190	133247	091561	\$2,865.00	456
20	048244	133261	091622	\$3,505.00	569
24	048299	133308	091677	\$5,775.00	910
30	046110	131366	089360	\$10,175.00	1396
36	448419	045472	093688	\$14,911.00	2178
42	460657	045434	093695	\$26,008.00	3065
48	452706	045397	093701	\$34,860.00	4095

BEND: 45° (1/8) FE				N24-0530	
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
2	*	*	*	\$146.00	12
3	046530	131823	089834	\$122.00	22
4	046585	131908	089926	\$217.00	40
6	046646	132004	089988	\$334.00	62
8	046707	132097	090045	\$507.00	96
10	046370	131601	089629	\$820.00	152
12	046448	131700	089698	\$1,071.00	195
14	048077	133100	091455	\$1,267.00	231
16	048121	133186	091509	\$1,612.00	294
18	048183	133223	091554	\$2,251.00	325
20	048237	099109	091615	\$2,945.00	485
24	048282	133285	091660	\$4,089.00	661
30	046103	097280	089353	\$8,941.00	1120
36	460619	045489	093718	\$14,011.00	1755
42	460640	045441	093725	\$22,131.00	2600
48	460541	045403	093732	\$30,477.00	3580

BEND: 22-1/2° (1/16) FE				N24-1030	
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
2	*	*	*	\$197.00	12
3	046523	097662	089810	\$138.00	20
4	046578	131885	089919	\$216.00	40
6	046639	131984	089971	\$318.00	60
8	046691	132080	090038	\$496.00	94
10	046363	131588	089612	\$784.00	146
12	046431	131687	089681	\$1,149.00	209
14	048060	098942	091448	\$1,512.00	225
16	048114	133162	091493	\$1,666.00	304
18	048176	099024	091547	\$2,320.00	335
20	048220	099086	091608	\$3,244.00	435
24	048275	099161	091653	\$4,770.00	640
30	046097	097327	093749	\$9,061.00	1135
36	460602	045496	093756	\$14,291.00	1790
42	460633	045458	096351	\$22,688.00	2665
48	460671	045410	096368	\$31,201.00	3665

BEND: 11-1/4° (1/32) FE				N24-1530	
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
2	*	*	*	\$197.00	12
3	046516	097648	089797	\$138.00	20
4	046561	131861	089896	\$259.00	40
6	046622	131960	089964	\$401.00	62
8	046684	132066	090021	\$529.00	95
10	046356	097563	089605	\$909.00	135
12	046424	097600	089674	\$1,381.00	205
14	048053	133087	091431	\$1,572.00	234
16	048107	133148	091486	\$1,914.00	285
18	048152	099000	091530	\$2,320.00	335
20	048213	099062	091592	\$3,244.00	435
24	048268	099147	091646	\$5,012.00	672
30	046080	097303	089346	\$9,182.00	1150
36	460596	045502	062844	\$14,409.00	1805
42	460626	045465	096375	\$22,816.00	2680
48	460664	045427	096382	\$31,455.00	3695

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

BEND REDUCING 90° (1/4) FE N24-0030						BEND REDUCING 90° (1/4) FE N24-0030					
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
4x3	046615	131946	089957	\$200.00	29	24x8	*	*	*	\$3,767.00	505
6x3	490388	490395	506546	\$378.00	56	24x10	*	*	*	\$4,063.00	545
6x4	046677	132042	090014	\$371.00	55	24x12	468387	538233	525394	\$4,287.00	575
6x5	523475	523478	523468	\$378.00	56	24x14	*	*	485075	\$4,735.00	660
8x4	046738	097761	090076	\$507.00	75	24x16	485124	485117	485100	\$5,106.00	685
8x5	*	*	*	\$817.00		24x18	468325	484639	507673	\$5,180.00	675
8x6	046745	132110	090083	\$576.00	85	24x20	485094	485087	485070	\$5,515.00	740
10x4	535003	535012	535010	\$876.00	130	30x12	*	515784	515785	\$6,705.00	840
10x6	046400	131649	089650	\$909.00	135	30x14	515786	*	*	\$8,174.00	1090
10x8	046417	131663	089667	\$1,010.00	150	30x16	515787	*	*	\$7,185.00	900
12x4	046483	*	089732	\$943.00	140	30x18	531215	*	*	\$11,207.00	980
12x6	046486	131762	089735	\$1,076.00	160	30x20	*	468312	*	\$11,843.00	1070
12x8	046493	131786	089759	\$1,280.00	180	30x24	468318	470404	539635	\$9,622.00	1205
12x10	046479	131748	089728	\$1,342.00	200	36x12	*	*	*	\$9,540.00	1195
14x6	535097	*	535095	\$1,280.00	190	36x14	*	*	*	\$12,690.00	1215
14x8	535100	535102	535104	\$1,445.00	215	36x16	*	*	*	\$10,020.00	1255
14x10	519478	*	519485	\$1,612.00	240	36x18	*	*	*	\$13,407.00	1295
14x12	536505	535119	497257	\$1,815.00	270	36x20	*	*	*	\$13,856.00	1360
16x6	*	*	*	\$1,476.00	220	36x24	*	*	*	\$12,654.00	1585
16x8	537793	*	537809	\$1,612.00	240	36x30	*	*	511786	\$14,687.00	1840
16x10	483618	516636	516637	\$1,879.00	280	42x14	*	*	*	\$17,647.00	1675
16x12	490067	490074	497660	\$2,080.00	310	42x16	*	*	*	\$14,603.00	1715
16x14	505808	491535	491538	\$2,248.00	335	42x18	*	*	*	\$20,090.00	1755
18x6	*	*	*	\$1,802.00	260	42x20	*	*	*	\$19,633.00	1895
18x8	*	467156	467157	\$2,251.00	330	42x24	*	*	*	\$16,859.00	1980
18x10	467151	467153	467144	\$2,288.00	330	42x30	*	*	460651	\$19,965.00	2345
18x12	477985	477986	477987	\$2,427.00	350	42x36	460653	*	093693	\$28,860.00	3559
18x14	477991	477989	*	\$2,668.00	385	48x12	*	*	*	\$18,517.00	2175
18x16	537823	537819	537816	\$2,908.00	420	48x14	*	*	*	\$22,791.00	2195
20x6	*	*	*	\$2,388.00	320	48x16	*	*	*	\$19,027.00	2235
20x8	*	*	*	\$2,575.00	345	48x18	*	*	*	\$28,143.00	2275
20x10	468401	*	*	\$3,319.00	445	48x20	*	*	*	\$30,591.00	2340
20x12	468400	*	468592	\$3,447.00	415	48x24	*	*	*	\$27,583.00	3240
20x14	465515	465522	465690	\$3,863.00	455	48x30	*	*	*	\$29,967.00	3660
20x16	*	*	485100	\$3,692.00	495	48x36	*	*	*	\$30,800.00	3255
20x18	*	*	468790	\$3,916.00	525	48x42	*	*	*	\$39,880.00	4685
24x6	*	*	*	\$3,579.00	480						

\*UPC to be assigned

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June 1, 2021

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

<b>BEND: 90° (1/4) FE<sub>x</sub>FLARE</b>				<b>N24-0210</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>CL/PRIME 670610</b>	<b>List Price</b>	<b>Weight</b>
3	046554	097686	089872	\$173.00	25
4	046608	097709	089940	\$308.00	45
6	046660	097723	090007	\$474.00	70
8	046721	097747	090069	\$806.00	120
10	046394	097587	089643	\$1,313.00	195
12	046462	097624	089711	\$1,646.00	245
14	048091	098966	091479	\$2,282.00	340
16	048145	098980	091523	\$3,085.00	460
18	048206	099048	091578	\$3,877.00	560
20	048251	099123	091639	\$5,217.00	700
24	048305	099185	091684	\$7,415.00	1100
30	465638	465645	465706	\$15,725.00	1970
36	*	*	*	\$21,789.00	2730
42	*	*	*	\$27,241.00	3200
48	*	*	465708	\$44,563.00	4674

<b>BEND: BASE 90° (1/4) FE</b>				<b>N24-0300</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>CL/PRIME 670610</b>	<b>List Price</b>	<b>Weight</b>
3	046257	131380	089506	\$238.00	35
4	046264	131403	089513	\$371.00	55
6	046271	131427	089520	\$526.00	94
8	046288	131441	089537	\$1,021.00	159
10	046233	097525	089483	\$1,410.00	210
12	046240	097549	089490	\$2,005.00	303
14	047988	098805	091363	\$2,417.00	360
16	047995	098829	091370	\$2,986.00	445
18	048008	098843	091387	\$3,914.00	565
20	048015	098867	091394	\$5,217.00	700
24	048022	098881	091400	\$7,674.00	1030
30	046073	097266	089339	\$12,970.00	1625
36	480662	482949	482950	\$19,037.00	2385
42	093692	*	*	\$36,689.00	3625
48	460503	460527	460510	\$39,244.00	4610

<b>BEND: SIDE OUTLET 90° (1/4)</b>				<b>N24-0130</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>CL/PRIME 670610</b>	<b>List Price</b>	<b>Weight</b>
3	*	512271	512272	\$238.00	35
4	512285	512288	523958	\$405.00	60
6	511828	511833	511827	\$641.00	95
8	526285	525879	525875	\$977.00	145
10	470243	470249	470250	\$1,612.00	240
12	514046	039757	039759	\$2,315.00	345
14	*	*	*	\$2,617.00	390
16	*	*	048140	\$3,287.00	490
18	*	*	*	\$4,018.00	580
20	*	*	041342	\$5,515.00	740
24	450599	*	472130	\$8,532.00	1145

<b>BEND: LONG RADIUS 90° (1/4) FE</b>				<b>N24-0380</b>	
<b>Size</b>	<b>Bare UPC 670610</b>	<b>CL/TC UPC 670610</b>	<b>CL/PRIME 670610</b>	<b>List Price</b>	<b>Weight</b>
3	046318	131502	089568	\$206.00	30
4	046325	131526	089575	\$340.00	55
6	046332	131540	089582	\$590.00	91
8	046349	131564	089599	\$977.00	152
10	046295	131465	089544	\$1,445.00	215
12	046301	131489	089551	\$2,180.00	325
14	048039	098904	091417	\$2,585.00	385
16	048046	098928	091424	\$3,389.00	505
18	537960	534105	479772	\$4,362.00	630
20	*	451103	451104	\$6,039.00	842
24	535256	522089	536291	\$9,239.00	1240
30	535232	536310	536314	\$16,802.00	2105
36	543450	543451	543454	\$26,219.00	3285
42	*	*	*	\$41,415.00	4865
48	*	*	*	\$57,801.00	6790

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

<b>BEND: LONG RADIUS BASE 90° (1/4) N24-0450</b>					
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
3	*	*	*	\$259.00	38
4	537112	537113	537114	\$405.00	60
6	537116	*	537123	\$672.00	110
8	537122	*	189599	\$1,211.00	180
10	046219	131373	089469	\$1,745.00	275
12	046226	034100	089476	\$2,798.00	390
14	046229	*	046228	\$2,798.00	417
16	295152	*	*	\$4,960.00	740
18	528395	*	*	\$5,535.00	800
20	041124	041125	041126	\$7,341.00	985
24	041127	*	041128	\$10,655.00	1430
30	482150	*	482152	\$19,154.00	2400
36	*	*	*	\$29,369.00	3680
42	*	*	*	\$46,947.00	5515
48	*	*	*	\$64,989.00	7635

<b>BEND: LONG RADIUS 90° FExFLARE N24-0240</b>					
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
3	*	*	*	\$238.00	35
4	*	*	*	\$340.00	50
6	488335	*	488337	\$608.00	90
8	488339	*	*	\$1,042.00	155
10	*	*	*	\$1,681.00	250
12	486215	*	*	\$2,517.00	375
14	*	486218	*	\$3,353.00	500
16	*	*	091327	\$4,793.00	715
18	*	*	*	\$5,535.00	800
20	*	*	*	\$8,492.00	1140
24	048300	*	*	\$9,949.00	1335
30	*	*	*	\$17,481.00	2190
36	*	*	*	\$27,657.00	3465
42	*	*	*	\$43,839.00	5150
48	*	*	*	\$57,243.00	6725

<b>BLIND FLANGE SOLID N24-4812</b>					
Size	Bare UPC 670610	TC UPC 670610	TC/PRIME 670610	List Price	Weight
3	062547	449669	464570	\$66.00	9
4	062554	449645	491613	\$115.00	16
6	062561	449638	449720	\$171.00	25
8	062578	449652	491620	\$286.00	42
10	062479	460077	452294	\$427.00	63
12	062486	449706	491637	\$575.00	85
14	062493	460084	485452	\$805.00	120
16	062509	459781	491644	\$977.00	145
18	062516	460091	491651	\$1,350.00	195
20	062523	456148	480105	\$1,825.00	244
24	062530	451105	465737	\$2,714.00	364
30	045786	452409	093138	\$3,988.00	499
36	045779	460107	111702	\$7,651.00	958
42	045762	460114	469162	\$11,050.00	1297
48	045755	460121	107156	\$14,783.00	1736

<b>BLIND FLANGE 2" TAP N24-4813</b>					
Size	Bare UPC 670610	TC UPC 670610	TC/PRIME 670610	List Price	Weight
3	053194	449737	468455	\$117.00	9
4	053637	460053	451617	\$164.00	16
6	062417	451648	451631	\$223.00	25
8	062448	460060	451686	\$338.00	42
10	028703	449683	491668	\$477.00	63
12	028727	449690	491675	\$627.00	85
14	030911	459972	459973	\$887.00	120
16	049678	459989	504979	\$1,062.00	145
18	052517	460008	519577	\$1,457.00	195
20	052739	460015	518624	\$1,933.00	244
24	053149	460039	469148	\$2,822.00	364
30	053217	460046	534174	\$4,146.00	499
36	534728	534723	534726	\$7,810.00	958
42	481034	481035	469155	\$11,261.00	1297
48	459354	459347	107517	\$14,999.00	1736

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021



**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

CROSS FE						CROSS FE					
			N24-3030						N24-3030		
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
3	046844	097822	090182	\$340.00	50	20x12	048435	099444	091813	\$5,479.00	735
4x3	046868	097846	090205	\$474.00	70	20x14	048437	*	*	\$5,554.00	720
4	046851	132264	090199	\$464.00	87	20x16	048442	099468	091820	\$6,820.00	915
6x3	046882	097860	090229	\$641.00	95	20x18	468394	468608	522539	\$7,042.00	945
6x4	046899	132301	090236	\$740.00	110	20	048428	099420	091806	\$7,565.00	1015
6	046875	132288	090212	\$751.00	142	24x6	*	*	*	\$6,523.00	875
8x4	046912	097884	090250	\$1,042.00	155	24x8	*	*	*	\$6,670.00	895
8x6	046929	132349	090267	\$1,110.00	165	24x10	*	*	*	\$6,930.00	930
8	046905	132325	090243	\$1,122.00	213	24x12	048473	099505	091844	\$7,154.00	960
10x4	046769	097785	090106	\$1,476.00	220	24x14	048480	099529	091851	\$7,265.00	975
10x6	046776	132141	090113	\$1,612.00	240	24x16	048497	099543	091868	\$7,528.00	1010
10x8	046783	132165	090120	\$1,779.00	265	24x18	048504	*	*	\$10,173.00	1338
10	046752	132127	090090	\$2,216.00	330	24x20	048503	099567	091875	\$10,655.00	1430
12x4	046813	097808	090151	\$2,080.00	310	24	048459	099482	091837	\$11,699.00	1570
12x6	046820	132226	090168	\$2,147.00	320	30x12	*	*	*	\$12,494.00	1565
12x8	046837	132240	090175	\$2,315.00	345	30x14	*	*	089274	\$12,534.00	1570
12x10	046806	132202	090144	\$2,784.00	415	30x16	*	484493	*	\$12,813.00	1605
12	046790	132189	090137	\$2,508.00	459	30x18	*	*	089304	\$12,892.00	1466
14x6	048336	099246	091714	\$2,683.00	400	30x20	*	*	*	\$13,332.00	1670
14x8	048343	099260	091721	\$2,850.00	425	30x24	046134	097365	089384	\$17,920.00	2245
14x10	482635	482642	482628	\$3,085.00	460	30	046127	097341	089377	\$19,954.00	2500
14x12	048329	099222	091707	\$3,389.00	505	36x12	*	*	*	\$17,879.00	2240
14	048312	099208	091691	\$3,555.00	530	36x14	*	*	*	\$17,879.00	2240
16x6	048381	099345	091769	\$3,287.00	490	36x16	*	*	*	\$18,118.00	2270
16x8	048398	099369	091776	\$3,488.00	520	36x18	*	*	*	\$18,198.00	2280
16x10	048367	099307	091745	\$3,722.00	555	36x20	*	*	*	\$18,559.00	2325
16x12	048374	099321	091752	\$4,058.00	605	36x24	*	*	*	\$19,196.00	2405
16	048350	099284	091738	\$4,460.00	665	36x30	*	*	*	\$26,335.00	3300
18x6	*	*	*	\$3,499.00	505	36	*	089380	*	\$28,890.00	3620
18x8	*	*	*	\$3,704.00	535	42x12	*	*	*	\$27,583.00	3240
18x10	*	*	091787	\$3,877.00	560	42x14	*	*	*	\$27,583.00	3240
18x12	048411	099406	091790	\$4,224.00	610	42x16	*	*	*	\$27,837.00	3270
18x14	*	*	*	\$4,982.00	720	42x18	*	*	*	\$27,880.00	3275
18x16	*	*	*	\$5,296.00	765	42x20	*	*	*	\$28,266.00	3320
18	048404	099383	091783	\$5,504.00	795	42x24	*	*	022980	\$28,903.00	3395
20x6	*	*	*	\$4,735.00	635	42x30	*	*	*	\$37,242.00	4375
20x8	*	*	*	\$4,956.00	665	42x36	*	*	*	\$48,690.00	5720
20x10	*	*	*	\$5,106.00	685	42	*	*	*	\$52,396.00	6155

\*UPC to be assigned

For taps other than 2", contact Inside Sales

Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

CROSS FE			N24-3030		
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
48x12	*	*	*	\$37,372.00	4390
48x14	*	*	*	\$37,327.00	4385
48x16	*	*	*	\$37,583.00	4415
48x18	*	*	*	\$37,626.00	4420
48x20	*	*	*	\$37,966.00	4460
48x24	*	*	*	\$38,605.00	4535
48x30	*	*	*	\$39,753.00	4670
48x36	*	*	*	\$50,052.00	5880
48x42	*	*	*	\$64,947.00	7630
48	*	*	*	\$68,140.00	8005

PIECE FLANGExFLARE			N24-4630		
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
3	046950	097945	090298	\$138.00	20
4	046967	097969	090304	\$206.00	30
6	046974	097983	090311	\$271.00	40
8	046981	098003	090328	\$474.00	70
10	046936	097907	090274	\$641.00	95
12	046943	097921	090281	\$1,042.00	155
14	048510	099581	091882	\$1,110.00	165
16	048527	099604	091899	\$1,612.00	240
18	048541	099628	091905	\$1,907.00	275
20	048558	099642	091912	\$2,656.00	356
24	048565	099666	091929	\$3,579.00	480
30	537717	*	517779	\$8,783.00	1100
36	537724	*	537694	\$11,654.00	1460
42	*	*	*	\$14,901.00	1750
48	*	*	463015	\$20,218.00	2326

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

REDUCER FE			N24-3530			REDUCER FE			N24-3530		
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
3x2	047063	132424	090403	\$114.00	18	24x8	*	092211	092212	\$3,057.00	463
4x2	047070	132431	090410	\$173.00	25	24x10	*	*	092217	\$3,505.00	470
4x3	047100	132448	090427	\$167.00	31	24x12	048770	133483	092216	\$3,806.00	510
6x2	047117	098027	090434	\$238.00	35	24x14	048794	299899	092230	\$3,908.00	524
6x3	047124	132455	090441	\$271.00	40	24x16	048800	133506	092254	\$3,292.00	532
6x4	047131	132462	090458	\$259.00	49	24x18	048817	299905	092278	\$4,101.00	550
6x5	047148	132479	090465	\$344.00	51	24x20	048824	133520	092285	\$4,398.00	590
8x4	047155	132486	090472	\$388.00	73	30x12	089395	*	089396	\$6,150.00	755
8x5	047162	098041	090489	\$474.00	70	30x16	460688	*	113799	\$6,227.00	780
8x6	047179	132493	090496	\$421.00	79	30x18	046141	097389	089391	\$6,469.00	810
10x4	046998	132356	090335	\$576.00	85	30x20	046158	097402	089407	\$6,948.00	870
10x6	047001	132363	090342	\$550.00	102	30x24	046165	097426	089414	\$7,747.00	970
10x8	047018	132370	090359	\$686.00	127	36x16	487715	487708	487709	\$8,821.00	1105
12x4	047032	132394	090373	\$806.00	120	36x18	*	*	*	\$9,261.00	1160
12x6	047049	132400	090380	\$815.00	148	36x20	479932	*	479933	\$9,821.00	1230
12x8	047056	132417	090397	\$909.00	165	36x24	459224	459231	473626	\$10,740.00	1345
12x10	047025	132387	090366	\$1,029.00	187	36x30	460695	507338	107316	\$12,415.00	1555
14x6	048596	099680	091950	\$1,042.00	155	42x24	460701	045687	096573	\$15,496.00	1820
14x8	048602	282136	091967	\$1,176.00	175	42x30	460718	045670	096580	\$17,537.00	2060
14x10	048572	133322	091936	\$1,291.00	195	42x36	460725	045663	096597	\$19,965.00	2345
14x12	048589	133346	091943	\$1,215.00	222	48x24	*	045651	*	\$19,877.00	2500
16x6	048640	282150	092001	\$1,280.00	190	48x30	460732	045656	096603	\$22,347.00	2625
16x8	048657	133407	092018	\$1,159.00	212	48x36	460749	045649	096610	\$25,115.00	2950
16x10	048619	133353	091974	\$1,303.00	238	48x42	460756	045632	096627	\$28,266.00	3320
16x12	048626	133360	091981	\$1,725.00	271						
16x14	048633	133384	091998	\$1,879.00	280						
18x8	048718	288251	092094	\$1,663.00	240						
18x10	048671	282174	092025	\$1,837.00	265						
18x12	048688	133421	092032	\$1,796.00	295						
18x14	048695	286226	092056	\$2,149.00	310						
18x16	048701	133445	092070	\$2,077.00	342						
20x6	*	*	*	\$2,238.00	300						
20x8	540082	540083	540084	\$2,128.00	285						
20x10	048725	299851	092117	\$2,315.00	310						
20x12	048732	133469	092131	\$2,210.00	364						
20x14	048749	299868	092155	\$2,652.00	355						
20x16	048756	299875	092179	\$2,373.00	390						
20x18	048763	299882	092193	\$3,058.00	410						

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

REDUCER ECCENTRIC FE N24-3600						REDUCER ECCENTRIC FE N24-3600					
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
3x2	276317	*	276321	\$114.00	16	24x12	048985	341383	092445	\$3,579.00	480
4x2	509880	509882	509883	\$173.00	25	24x14	048992	341390	092452	\$3,654.00	490
4x3	047230	132608	090557	\$206.00	30	24x16	049005	341406	092469	\$3,916.00	525
6x3	047247	098065	090564	\$271.00	40	24x18	049012	341413	092476	\$4,101.00	550
6x4	047254	132622	090571	\$308.00	45	24x20	049029	341420	092483	\$4,398.00	590
6x5	492583	492581	492582	\$352.00	52	30x10	*	*	*	\$6,039.00	756
8x4	047261	132646	090588	\$443.00	65	30x14	*	*	*	\$7,747.00	970
8x5	074264	*	090596	\$474.00	70	30x16	536369	484479	536376	\$7,467.00	935
8x6	047278	132660	090595	\$507.00	75	30x18	511729	511730	511731	\$6,508.00	815
10x4	047170	132510	848271	\$576.00	85	30x20	465614	465621	465713	\$6,948.00	870
10x6	047186	132509	090502	\$608.00	90	30x24	490104	490111	536383	\$7,747.00	970
10x8	047193	132523	090519	\$740.00	110	36x14	*	514121	*	\$10,299.00	1290
12x4	505557	505560	505556	\$806.00	120	36x16	*	*	*	\$8,902.00	1115
12x6	047216	132561	090533	\$876.00	130	36x18	508916	*	506818	\$9,261.00	1160
12x8	047223	132585	090540	\$977.00	145	36x20	508915	*	506812	\$9,780.00	1225
12x10	047209	132547	090526	\$1,144.00	170	36x24	506827	506830	506829	\$10,697.00	1340
14x6	*	*	488379	\$1,042.00	160	36x30	508935	507339	*	\$12,374.00	1550
14x8	518037	520441	520443	\$1,144.00	170	42x24	460763	045748	096511	\$15,496.00	1820
14x10	496106	469193	495727	\$1,280.00	190	42x30	460770	045731	096528	\$17,537.00	2060
14x12	483335	536406	513162	\$1,512.00	225	42x36	460787	045724	096535	\$19,965.00	2345
16x6	048862	316886	092322	\$1,280.00	190	48x24	*	045727	*	\$21,277.00	2499
16x8	048879	317128	092339	\$1,410.00	210	48x30	460794	045717	096542	\$22,347.00	2625
16x10	048831	299912	092292	\$1,579.00	235	48x36	460800	045700	096559	\$25,115.00	2950
16x12	048848	299929	092308	\$1,779.00	265	48x42	460817	045694	096566	\$28,266.00	3320
16x14	048855	300809	092315	\$1,879.00	280						
18x8	048923	341321	092384	\$1,663.00	240						
18x10	048886	341123	092346	\$1,837.00	265						
18x12	048893	341130	092353	\$2,046.00	295						
18x14	048909	341147	092360	\$2,149.00	310						
18x16	048916	341154	092377	\$2,356.00	340						
20x8	490081	490098	*	\$2,164.00	290						
20x10	048930	341338	092391	\$2,315.00	310						
20x12	048947	341345	092407	\$2,575.00	345						
20x14	048954	341352	092414	\$2,652.00	355						
20x16	048961	341369	092421	\$2,908.00	390						
20x18	048978	341376	092438	\$3,057.00	410						
24x8	*	*	*	\$3,432.00	460						
24x10	048982	*	048983	\$3,505.00	600						

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

TEE FE N24-2430						TEE FE N24-2430					
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
2	047483	132776	090823	\$170.00	20	12x10x6	*	507666	*	\$2,397.00	390
3x2	047506	132790	090847	\$238.00	35	12x10x8	*	*	*	\$2,837.00	400
3	047490	132783	090830	\$224.00	41	12x10x10	*	*	*	\$2,980.00	420
4x2	047520	132813	090861	\$340.00	50	12x10x12	*	*	*	\$3,120.00	440
4x3	047537	132820	090878	\$405.00	60	12x4	047452	132745	090793	\$1,660.00	287
4x4x6	*	*	090917	\$864.00	90	12x6	047469	132752	090809	\$1,596.00	291
4	047513	132806	090854	\$443.00	65	12x8	047476	132769	090816	\$1,681.00	306
6x2	047551	098324	090892	\$576.00	85	12x10	047445	132738	090786	\$2,003.00	346
6x3	047568	132844	090908	\$576.00	85	12	047438	132721	090779	\$2,021.00	369
6x4	047575	132868	090915	\$608.00	90	14x6	049111	341574	092575	\$2,517.00	375
6x4x4	047582	098348	090922	\$608.00	90	14x8	049128	341581	092582	\$2,617.00	390
6x4x6	047599	098362	090939	\$608.00	90	14x10	049098	341482	092551	\$2,683.00	400
6x6x8	098388	098386	098387	\$951.00	140	14x12	049104	341529	092568	\$2,850.00	425
6	047544	132837	090885	\$550.00	104	14	049081	133544	092544	\$2,918.00	435
8x3	047629	132905	090960	\$929.00	138	16x4	342857	343747	343749	\$4,403.00	463
8x4	047636	132929	090977	\$852.00	161	16x6	049173	133629	092643	\$2,897.00	463
8x6	047643	132943	090984	\$791.00	150	16x8	049180	345114	092650	\$2,801.00	474
8x6x4	047650	098409	090991	\$843.00	125	16x10	049142	133582	092605	\$3,290.00	498
8x6x6	047667	098423	091004	\$977.00	145	16x12	049159	133605	092629	\$3,132.00	511
8x6x8	047674	098447	091011	\$1,076.00	160	16x14	049166	341758	092636	\$3,555.00	530
8x8x10	047681	098461	091028	\$1,745.00	260	16	049135	133568	092599	\$3,195.00	553
8x8x12	514534	514541	514558	\$1,700.00	310	18x6	049241	133667	092711	\$2,921.00	481
8	047612	132882	090953	\$916.00	173	18x8	049258	355076	092728	\$3,639.00	495
10x6x6	*	*	*	\$1,973.00	278	18x10	049203	354987	092674	\$3,532.00	510
10x6x10	514459	514442	514447	\$1,891.00	308	18x12	049210	355007	092681	\$3,885.00	534
10x8x6	*	*	*	\$1,987.00	280	18x14	049227	355021	092698	\$4,292.00	620
10x8x8	*	*	090772	\$2,096.00	295	18x16	049234	355052	092704	\$4,500.00	650
10x8x10	047441	*	*	\$2,149.00	303	18	049197	133643	092667	\$4,106.00	664
10x4	047407	132691	090731	\$1,222.00	204	20x6	049326	355205	092797	\$4,550.00	610
10x6	047414	132707	090748	\$1,142.00	212	20x8	049333	355229	092803	\$4,623.00	620
10x8	047421	132714	090762	\$1,197.00	223	20x10	049272	355090	092742	\$4,735.00	635
10	047391	132684	090724	\$1,392.00	259	20x12	049289	355113	092759	\$4,920.00	660
10x10x12	*	*	*	\$2,518.00	337	20x14	049296	355137	092766	\$4,956.00	665
12x6x6	*	*	*	\$2,454.00	346	20x16	049302	355151	092773	\$6,039.00	810
12x6x8	*	*	*	\$2,570.00	362	20x18	049319	355168	092780	\$6,112.00	820
12x8x6	*	*	*	\$2,518.00	355	20	049265	133674	092735	\$5,179.00	853
12x8x8	*	*	*	\$2,659.00	375	24x4	514831	485320	485322	\$6,299.00	845
12x8x12	*	*	*	\$2,980.00	420	24x6	049418	355335	092889	\$5,256.00	851
						24x8	049425	355342	092896	\$6,411.00	860

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

TEE FE N24-2430						TEE FE N24-2430					
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
24x10	049357	355250	092827	\$6,560.00	880	48x14	*	*	*	\$36,734.00	4315
24x12	049364	355267	092834	\$5,501.00	891	48x16	*	*	*	\$36,860.00	4330
24x14	049371	355298	092841	\$6,658.00	893	48x18	*	*	*	\$36,860.00	4330
24x16	049388	133698	092858	\$5,635.00	913	48x20	*	*	*	\$37,031.00	4350
24x18	049395	355304	092865	\$9,090.00	1220	48x24	460909	045557	096467	\$37,327.00	4385
24x20	049401	355328	092872	\$9,352.00	1255	48x30	460916	045540	096474	\$37,925.00	4455
24	049340	133681	092810	\$8,223.00	1332	48x36	460923	045533	096481	\$47,287.00	5555
30x6	484517	484516	484519	\$11,617.00	1455	48x42	460930	045526	096498	\$61,246.00	7195
30x8	484484	484486	484488	\$11,654.00	1460	48	460893	045519	096504	\$62,863.00	7385
30x10	511721	*	511724	\$11,896.00	1490						
30x12	046189	097464	089438	\$11,896.00	1490						
30x14	482383	482390	481508	\$11,896.00	1490						
30x16	535331	535335	535334	\$12,014.00	1505						
30x18	046196	097488	089445	\$12,095.00	1515						
30x20	465652	465669	465720	\$12,292.00	1540						
30x24	046202	097501	089452	\$16,164.00	2025						
30	046172	097440	089421	\$14,565.00	2152						
36x6	*	*	*	\$15,965.00	2000						
36x8	*	*	*	\$17,161.00	2150						
36x10	500933	539292	539293	\$17,201.00	2155						
36x12	500926	464563	464568	\$17,323.00	2170						
36x14	376263	*	376266	\$17,362.00	2175						
36x16	459323	459330	537120	\$17,442.00	2185						
36x18	459963	459965	488538	\$17,481.00	2190						
36x20	469407	512318	535485	\$17,640.00	2210						
36x24	460831	045625	096399	\$18,002.00	2255						
36x30	460848	045618	096405	\$23,941.00	3000						
36	113775	045601	096412	\$21,720.00	3144						
42x12	*	*	*	\$26,944.00	3165						
42x14	*	*	*	\$26,987.00	3170						
42x16	*	*	096426	\$27,070.00	3180						
42x18	*	*	*	\$27,112.00	3185						
42x20	*	*	*	\$27,286.00	3205						
42x24	460862	045595	096429	\$27,625.00	3245						
42x30	460879	045588	096436	\$35,113.00	4125						
42x36	460886	045571	096443	\$45,626.00	5360						
42	460855	045564	096450	\$47,499.00	5580						
48x12	*	*	*	\$36,734.00	4315						
						BASE TEE FE N24-2900					
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
3	047353	098249	090687	\$308.00	45	4x3	047361	*	090697	\$474.00	64
4	047360	098263	090694	\$507.00	75	6x3	*	*	*	\$672.00	100
6x3	*	*	*	\$672.00	100	6x4	047378	*	090701	\$710.00	105
6	047377	098287	090700	\$740.00	110	8x4	*	*	*	\$1,144.00	170
8x4	*	*	*	\$1,144.00	170	8x6	*	*	*	\$1,176.00	175
8	047384	098300	090717	\$1,246.00	185	10x4	*	*	*	\$1,579.00	235
10x4	*	*	*	\$1,579.00	235	10x6	047340	*	511814	\$1,646.00	245
10x6	047340	*	511814	\$1,646.00	245	10x8	*	*	*	\$1,713.00	255
10x8	*	*	*	\$1,713.00	255	12	047346	098225	090670	\$2,884.00	430
10	047339	098201	090663	\$2,014.00	300	14x6	*	*	*	\$2,850.00	425
12x4	*	*	*	\$2,248.00	335	14x8	*	*	*	\$2,952.00	440
12x6	*	511813	*	\$2,282.00	340	14x10	*	*	*	\$3,019.00	450
12x8	511815	*	511818	\$2,384.00	355	14x12	*	*	*	\$3,187.00	475
12x10	047349	*	047350	\$2,720.00	405	14	049036	341437	092490	\$3,254.00	485
12	047346	098225	090670	\$2,884.00	430	16x6	049047	*	092509	\$3,452.00	515
14x6	*	*	*	\$2,850.00	425	16x8	*	*	*	\$3,522.00	525
14x8	*	*	*	\$2,952.00	440	16x10	*	*	*	\$3,656.00	545
14x10	*	*	*	\$3,019.00	450						
14x12	*	*	*	\$3,187.00	475						
14	049036	341437	092490	\$3,254.00	485						
16x6	049047	*	092509	\$3,452.00	515						
16x8	*	*	*	\$3,522.00	525						
16x10	*	*	*	\$3,656.00	545						

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

BASE TEE FE			N24-2900			BASE TEE FE			N24-2900		
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
16x12	*	*	*	\$3,822.00	570	36x20	*	*	*	\$18,918.00	2370
16x14	*	*	*	\$3,891.00	580	36x24	*	*	*	\$19,276.00	2415
16	049043	341444	092506	\$4,024.00	600	36x30	*	*	*	\$25,220.00	3160
18x6	*	*	*	\$3,843.00	555	36	*	*	*	\$26,496.00	3320
18x8	*	*	*	\$3,946.00	570	42x12	*	*	*	\$29,241.00	3435
18x10	*	*	*	\$4,053.00	585	42x14	*	*	*	\$29,286.00	3440
18x12	*	*	*	\$4,224.00	610	42x16	*	*	*	\$29,369.00	3450
18x14	*	*	*	\$4,882.00	705	42x18	*	*	*	\$29,413.00	3455
18x16	*	*	*	\$5,020.00	725	42x20	*	*	*	\$29,582.00	3475
18	049050	341451	092513	\$5,121.00	740	42x24	*	*	*	\$29,923.00	3515
20x6	*	*	*	\$5,106.00	685	42x30	*	*	*	\$37,415.00	4395
20x8	*	*	*	\$5,180.00	695	42x36	*	*	*	\$39,413.00	4630
20x10	*	*	496978	\$5,292.00	805	42	*	*	*	\$49,796.00	5850
20x12	*	*	503474	\$5,479.00	735	48x12	*	*	*	\$39,584.00	4650
20x14	*	*	*	\$5,515.00	740	48x14	*	*	*	\$39,584.00	4650
20x16	503476	*	503475	\$6,596.00	925	48x16	*	*	*	\$39,712.00	4665
20x18	*	*	*	\$6,670.00	895	48x18	*	*	*	\$39,712.00	4665
20	049067	341468	092520	\$6,930.00	930	48x20	*	*	*	\$39,880.00	4685
24x6	*	*	*	\$6,893.00	925	48x24	*	*	*	\$40,180.00	4720
24x8	*	*	*	\$7,004.00	940	48x30	*	*	*	\$40,776.00	4790
24x10	*	*	*	\$7,154.00	960	48x36	*	*	*	\$50,138.00	5890
24x12	*	*	*	\$7,229.00	970	48x42	*	*	*	\$51,544.00	6055
24x14	*	*	*	\$7,303.00	980	48	*	*	*	\$65,716.00	7720
24x16	*	*	533122	\$7,415.00	995						
24x18	*	*	*	\$9,686.00	1300						
24x20	*	*	*	\$9,949.00	1335						
24	049074	341475	092537	\$10,506.00	1410						
30x12	*	*	*	\$12,853.00	1610						
30x14	*	*	*	\$12,853.00	1610						
30x16	*	*	*	\$12,970.00	1625						
30x18	*	*	*	\$13,051.00	1635						
30x20	*	*	*	\$13,250.00	1660						
30x24	*	*	*	\$17,122.00	2145						
30	511759	*	511762	\$18,118.00	2270						
36x12	*	*	*	\$18,597.00	2330						
36x14	*	*	*	\$18,637.00	2335						
36x16	*	*	*	\$18,717.00	2345						
36x18	*	*	*	\$18,758.00	2350						

WYE FE			N24-4130		
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
3	047902	098720	091257	\$308.00	45
4x2	*	*	*	\$371.00	55
4x3	047926	098744	091295	\$443.00	65
4	047919	133001	091271	\$409.00	77
6x3	*	*	*	\$672.00	100
6x4	047940	098768	091325	\$774.00	115
6	047933	133025	091318	\$655.00	123
8x4	047964	098782	091349	\$1,211.00	180
8x6	047971	133063	091356	\$1,159.00	181
8	047957	133049	091332	\$1,071.00	203
10x4	047780	098584	091097	\$1,745.00	260
10x6	047797	098607	091110	\$1,815.00	270

**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

WYE FE						N24-4130					
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight	Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
10x8	047803	098621	091134	\$1,982.00	295	24x18	447799	*	447798	\$13,823.00	1855
10	047766	132967	091080	\$1,719.00	320	24x20	*	*	*	\$13,037.00	1750
12x4	047834	098669	091196	\$2,549.00	380	24	049661	355571	093121	\$14,193.00	1905
12x6	047889	098683	091219	\$2,652.00	395	30x12	*	*	*	\$22,309.00	2795
12x8	047896	098706	091233	\$2,617.00	390	30x14	*	*	*	\$22,749.00	2850
12x10	047827	098645	091172	\$3,053.00	455	30x16	524615	*	524617	\$23,187.00	2905
12	047810	132981	091158	\$2,629.00	481	30x18	480441	*	524622	\$23,625.00	2960
14x6	049463	355380	092933	\$3,488.00	520	30x20	*	*	*	\$24,261.00	3040
14x8	049470	355397	092940	\$3,656.00	545	30x24	*	*	*	\$25,580.00	3205
14x10	049449	355366	092919	\$3,522.00	525	30	480440	528111	521723	\$25,739.00	3225
14x12	049456	355373	092926	\$4,157.00	620	36x12	*	*	*	\$35,835.00	4490
14	049432	355359	092902	\$4,058.00	605	36x14	*	*	*	\$36,273.00	4545
16x6	049524	355434	092995	\$4,157.00	620	36x16	*	*	*	\$35,557.00	4455
16x8	049531	355441	093008	\$4,758.00	710	36x18	*	*	*	\$37,271.00	4670
16x10	049494	355403	092964	\$4,960.00	740	36x20	460820	*	460822	\$36,513.00	4575
16x12	049500	355410	092971	\$4,793.00	715	36x24	460824	*	107323	\$37,710.00	4725
16x14	049517	355427	092988	\$5,564.00	830	36x30	*	*	*	\$41,498.00	5200
16	049487	133704	092957	\$5,400.00	805	36	521747	528104	521730	\$45,807.00	5740
18x6	*	*	*	\$3,117.00	450	42x12	*	*	*	\$48,733.00	5725
18x8	049609	355519	093060	\$4,328.00	625	42x14	*	*	*	\$49,370.00	5800
18x10	049562	355465	093022	\$6,126.00	885	42x16	*	*	*	\$49,796.00	5850
18x12	049579	355472	093039	\$6,437.00	930	42x18	*	*	*	\$51,074.00	6000
18x14	049586	355496	093046	\$6,750.00	975	42x20	*	*	*	\$52,012.00	6110
18x16	049593	355502	093053	\$7,094.00	1025	42x24	*	*	*	\$53,245.00	6255
18	049555	355458	093015	\$6,781.00	980	42x30	*	*	*	\$58,354.00	6855
20x8	472681	*	472674	\$5,515.00	740	42x36	*	*	*	\$65,120.00	7650
20x10	049623	355533	093084	\$6,002.00	805	42	521754	528098	521761	\$78,055.00	9170
20x12	049630	355540	093091	\$8,273.00	1110	48x12	*	*	*	\$61,288.00	7200
20x14	049647	355557	093107	\$9,056.00	1215	48x14	*	*	*	\$61,927.00	7275
20x16	049654	355564	093114	\$9,463.00	1270	48x16	*	*	*	\$62,990.00	7400
20x18	*	*	*	\$8,941.00	1200	48x18	*	*	*	\$64,862.00	7620
20	049616	355526	093077	\$9,427.00	1265	48x20	*	*	*	\$65,416.00	7685
24x6	*	*	*	\$7,900.00	1060	48x24	*	*	*	\$58,226.00	6840
24x8	*	*	*	\$8,048.00	1080	48x30	*	*	528208	\$68,225.00	5995
24x10	485063	485056	485049	\$11,214.00	1505	48x36	*	*	*	\$76,354.00	8970
24x12	*	*	447753	\$8,941.00	1200	48x42	*	*	*	\$93,718.00	11010
24x14	447751	*	447750	\$13,037.00	1321	48	*	528107	*	\$102,996.00	12100
24x16	447771	447788	447795	\$14,080.00	1890						

\*UPC to be assigned

For taps other than 2", contact Inside Sales  
Contact Sales for sizes larger than 48"LP2021-3 ND  
June 1, 2021



**TYLER UNION DUCTILE IRON FLANGED C110 IMPORT FITTINGS LP2021-3 ND**

TRUE WYE FE				N24-4150	
Size	Bare UPC 670610	CL/TC UPC 670610	CL/PRIME 670610	List Price	Weight
4	047711	098485	091035	\$340.00	50
6	047728	098508	091042	\$540.00	80
8x8x4	*	*	*	\$576.00	85
8	047742	098546	091066	\$943.00	140
10x10x6	*	501992	*	\$943.00	140
10x8x8	507803	507802	*	\$1,042.00	155
10	*	501997	569555	\$1,246.00	220
12x12x6	*	*	*	\$1,076.00	160
12x12x8	*	*	*	\$1,410.00	210
12x12x10	*	*	*	\$1,612.00	240
12	*	*	*	\$2,014.00	300
14	*	*	*	\$2,784.00	415
16	052947	*	*	\$3,891.00	580
18	*	*	*	\$4,708.00	680
20	*	*	*	\$7,154.00	960
24	107324	*	107326	\$10,208.00	1370

**TYLER UNION DUCTILE IRON UNION-TITE C153 IMPORT FITTINGS LP2021-3 ND**

<b>ADAPTER UTXFE</b>			<b>N48-4600</b>
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	033875	\$196.00	35
6	135623	\$306.00	49
8	033899	\$411.00	74
10	033813	\$520.00	93
12	033837	\$816.00	126
14	*	\$1,481.00	173
16	033851	\$1,640.00	225
18	*	\$2,379.00	260
20	*	\$2,612.00	295
24	*	\$5,119.00	308

<b>BEND: 90° (1/4) UT</b>			<b>N48-0010</b>
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	139478	\$226.00	35
6	139539	\$361.00	55
8	139591	\$534.00	82
10	139379	\$718.00	97
12	139416	\$1,195.00	151
14	247586	\$1,725.00	230
16	247623	\$3,068.00	421
18	*	\$4,264.00	482
20	521907	\$4,773.00	540
24	521860	\$5,957.00	674

<b>BEND: 45° (1/8) UT</b>			<b>N48-0510</b>
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	139454	\$207.00	30
6	139515	\$306.00	46
8	139577	\$447.00	68
10	139362	\$684.00	92
12	139409	\$911.00	123
14	247579	\$1,371.00	180
16	247616	\$2,128.00	307
18	*	\$2,441.00	309
20	*	\$3,508.00	397
24	*	\$4,351.00	492

<b>BEND: 22-1/2° (1/16) UT</b>			<b>N48-1010</b>
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	139430	\$197.00	29
6	139492	\$274.00	39
8	139553	\$367.00	66
10	139355	\$580.00	77
12	139393	\$763.00	113
14	247562	\$1,371.00	180
16	247609	\$2,007.00	270
18	*	\$2,709.00	309
20	*	\$3,663.00	414
24	*	\$4,948.00	596

<b>BEND: 11-1/4° (1/32) UT</b>			<b>N48-1510</b>
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	139423	\$199.00	26
6	139485	\$274.00	37
8	139546	\$377.00	54
10	139348	\$563.00	75
12	139386	\$752.00	100

<b>BEND: 11-1/4° (1/32) UT</b>			<b>N48-1510</b>
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
14	282068	\$1,371.00	180
16	247593	\$2,080.00	240
18	*	\$2,716.00	315
20	*	\$3,337.00	365
24	*	\$7,265.00	317

**TYLER UNION DUCTILE IRON UNION-TITE C153 IMPORT FITTINGS LP2021-3 ND**

<b>BEND: 90° (1/4) UTxFE N48-0170</b>			
	<b>CL/TC UPC</b>	<b>W/ Std</b>	
<b>Size</b>	<b>670610</b>	<b>Gasket</b>	<b>Weight</b>
4	*	\$200.00	31
6	034032	\$499.00	80
8	034094	\$561.00	90
10	033950	\$956.00	134
12	033998	\$1,445.00	201
14	*	\$1,366.00	159
16	*	\$1,997.00	233

<b>BEND: 45° (1/8) UTxFE N48-0650</b>			
	<b>CL/TC UPC</b>	<b>W/ Std</b>	
<b>Size</b>	<b>670610</b>	<b>Gasket</b>	<b>Weight</b>
4	*	\$185.00	21
6	034018	\$392.00	55
8	034070	\$598.00	85
10	*	\$801.00	93
12	094012	\$1,121.00	155
14	*	\$1,392.00	162
16	*	\$2,358.00	275

<b>BEND: 22-1/2° (1/16) UTxFE N48-1120</b>			
	<b>CL/TC UPC</b>	<b>W/ Std</b>	
<b>Size</b>	<b>670610</b>	<b>Gasket</b>	<b>Weight</b>
4	094029	\$224.00	31
6	094043	\$294.00	41
8	033931	\$501.00	64
10	033936	\$684.00	95
12	094005	\$1,111.00	154
14	*	\$1,392.00	162
16	*	\$2,358.00	275

<b>BEND: 11-1/4° (1/32) UTxFE N48-1535</b>			
	<b>CL/TC UPC</b>	<b>W/ Std</b>	
<b>Size</b>	<b>670610</b>	<b>Gasket</b>	<b>Weight</b>
4	*	\$210.00	24
6	094036	\$294.00	41
8	034056	\$489.00	69
10	033912	\$643.00	89
12	033974	\$959.00	132
14	*	\$1,461.00	170
16	*	\$1,955.00	228

<b>BEND: 90° (1/4) UTxPE N48-0120</b>			
	<b>CL/TC UPC</b>	<b>W/ Std</b>	
<b>Size</b>	<b>670610</b>	<b>Gasket</b>	<b>Weight</b>
4	*	\$432.00	50
6	*	\$409.00	47

<b>BEND: 45° (1/8) UTxPE N48-0600</b>			
	<b>CL/TC UPC</b>	<b>W/ Std</b>	
<b>Size</b>	<b>670610</b>	<b>Gasket</b>	<b>Weight</b>
4	*	\$151.00	22
6	*	\$329.00	38
8	*	\$517.00	60

<b>BEND: 22-1/2° (1/16) UTxPE N48-1110</b>			
	<b>CL/TC UPC</b>	<b>W/ Std</b>	
<b>Size</b>	<b>670610</b>	<b>Gasket</b>	<b>Weight</b>
6	*	\$306.00	35
8	*	\$492.00	57

<b>BEND: 11-1/4° (1/32) UTxPE N48-1600</b>			
	<b>CL/TC UPC</b>	<b>W/ Std</b>	
<b>Size</b>	<b>670610</b>	<b>Gasket</b>	<b>Weight</b>
6	*	\$312.00	36
8	*	\$475.00	55

**TYLER UNION DUCTILE IRON UNION-TITE C153 IMPORT FITTINGS LP2021-3 ND**

<b>CAP SOLID UT</b>			<b>N48-2310</b>
<b>Size</b>	<b>TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	137184	\$101.00	15
6	137191	\$154.00	21
8	137207	\$237.00	33
10	137160	\$303.00	48
12	137177	\$443.00	59

<b>CAP 2" TAP UT</b>			<b>N48-2320</b>
<b>Size</b>	<b>TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	137238	\$152.00	15
6	137245	\$206.00	21
8	137252	\$288.00	33
10	137214	\$356.00	48
12	137221	\$492.00	59

<b>CROSS UT</b>			<b>N48-3010</b>
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	*	\$521.00	56
6x4	*	\$614.00	69
6	139683	\$568.00	80
8x4	*	\$1,083.00	117
8x6	139706	\$843.00	116
8	139690	\$953.00	135
10x4	139652	\$1,062.00	144
10x6	*	\$1,601.00	152
10x8	*	\$1,953.00	159
10	*	\$1,571.00	165
12x8	139676	\$1,349.00	180
12x10	*	\$1,784.00	195
12	139669	\$1,821.00	245
14x6	*	\$1,624.00	189
14x8	*	\$1,750.00	204
14x10	*	\$1,903.00	222
14x12	*	\$2,050.00	239
14	*	\$2,314.00	270
16x6	*	\$2,007.00	250
16x8	*	\$2,767.00	323
16x12	*	\$2,351.00	274
16	*	\$2,715.00	320

<b>PLUG SOLID UT</b>			<b>N48-2210</b>
<b>Size</b>	<b>TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	094166	\$78.00	21
6	094173	\$126.00	23
8	094180	\$170.00	32
10	094142	\$264.00	42
12	094159	\$302.00	49
14	*	\$1,046.00	*
16	*	\$3,010.00	59
18	*	\$2,874.00	*
20	*	\$2,473.00	*
24	*	\$3,478.00	*

<b>PLUG 2" TAP UT</b>			<b>N48-2220</b>
<b>Size</b>	<b>TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	2851567	\$110.00	21
6	096740	\$179.00	23
8	096757	\$221.00	32
10	096719	\$315.00	42
12	096726	\$352.00	49
14	*	\$1,228.00	*
16	*	\$3,537.00	59
18	*	\$3,378.00	*
20	*	\$2,907.00	*
24	*	\$3,085.00	*

**TYLER UNION DUCTILE IRON UNION-TITE C153 IMPORT FITTINGS LP2021-3 ND**

REDUCER UTxUT			N48-3510
Size	CL/TC UPC 670610	W/ Std Gasket	Weight
6x4	139782	\$226.00	34
8x4	139799	\$324.00	47
8x6	139805	\$329.00	50
10x4	139713	\$622.00	85
10x6	139720	\$486.00	65
10x8	139737	\$539.00	72
12x4	139751	\$684.00	92
12x6	139768	\$577.00	77
12x8	139775	\$627.00	83
12x10	139744	\$751.00	100
14x6	*	\$630.00	84
14x8	*	\$639.00	85
14x10	*	\$655.00	87
14x12	*	\$779.00	104
16x6	247760	\$1,322.00	180
16x8	247777	\$1,371.00	185
16x10	247746	\$1,342.00	180
16x12	247753	\$1,416.00	190
16x14	*	\$1,194.00	139
18x8	*	\$1,260.00	142
18x10	*	\$1,338.00	151
18x12	*	\$1,483.00	167
18x14	*	\$1,922.00	217
18x16	*	\$1,790.00	202
20x10	*	\$1,595.00	180
20x12	*	\$1,817.00	205
20x14	*	\$2,061.00	233
20x16	*	\$2,213.00	250
20x18	*	\$2,195.00	248
24x12	*	\$2,178.00	246
24x14	*	\$2,489.00	281
24x16	*	\$3,360.00	380
24x18	*	\$3,449.00	390
24x20	*	\$3,722.00	421

REDUCER UTxFE			N48-3860
Size	CL/TC UPC 670610	W/ Std Gasket	Weight
6x4	034186	\$282.00	39
8x4	*	\$427.00	46
8x6	034223	\$414.00	58
10x4	*	\$475.00	55
10x6	*	\$508.00	59
10x8	*	\$841.00	72
12x4	*	\$670.00	78
12x6	*	\$647.00	75
12x8	*	\$639.00	74
12x10	*	\$818.00	95
14x6	*	\$1,040.00	121
14x8	*	\$1,101.00	128
14x10	*	\$1,093.00	127
14x12	*	\$1,237.00	144
16x6	*	\$1,143.00	133
16x8	*	\$1,212.00	141
16x10	*	\$1,356.00	158
16x12	*	\$1,475.00	172
16x14	*	\$1,683.00	196
18x8	*	\$1,393.00	157
18x10	*	\$1,552.00	175
18x12	*	\$1,906.00	215
18x14	*	\$2,072.00	234
18x16	*	\$2,178.00	246
20x10	*	\$2,072.00	234
20x14	*	\$2,206.00	249
20x16	*	\$2,406.00	272
24x12	*	\$2,319.00	262
24x14	*	\$2,785.00	315
24x16	*	\$2,902.00	328

**TYLER UNION DUCTILE IRON UNION-TITE C153 IMPORT FITTINGS LP2021-3 ND**

<b>SMALL END BELL (SEB) REDUCER N48-3710</b>			
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
6x4	*	\$392.00	45
8x4	687600	\$306.00	35
8x6	501658	\$371.00	43
12x6	*	\$603.00	70
12x8	*	\$688.00	80

<b>TEE UTxUT N48-2410</b>			
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	281818	\$325.00	47
6x4	281849	\$414.00	56
6	281832	\$436.00	79
8x4	281870	\$550.00	80
8x6	281894	\$615.00	95
8	281863	\$719.00	123
10x4	140078	\$852.00	115
10x6	140139	\$919.00	134
10x8	140146	\$1,093.00	149
10	140061	\$1,355.00	186
12x4	281771	\$1,062.00	142
12x6	281788	\$960.00	154
12x8	281795	\$1,203.00	162
12x10	140320	\$1,372.00	185
12	140153	\$1,336.00	198
14x6	247791	\$1,349.00	175
14x10	*	\$2,975.00	195
14x12	*	\$3,015.00	196
14	247784	\$2,902.00	390
16x6	247838	\$2,508.00	340
16x8	247845	\$2,727.00	370
16x10	247814	\$2,837.00	385
16x12	247821	\$3,227.00	440
16x14	*	\$4,331.00	349

<b>TEE UTxUT N48-2410</b>			
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
16	247807	\$3,854.00	525
18x6	*	\$3,080.00	348
18x8	*	\$2,875.00	325
18x10	*	\$3,044.00	344
18x14	*	\$3,026.00	342
18x16	*	\$3,201.00	362
20x6	*	\$3,139.00	355
20x10	*	\$3,264.00	369
20x14	*	\$4,281.00	484
20x16	*	\$5,392.00	610
20x18	*	\$4,764.00	539
24x6	*	\$4,119.00	466
24x10	*	\$4,227.00	478
24x12	*	\$5,861.00	663
24x14	*	\$4,790.00	542
24x16	*	\$5,004.00	566
24x18	*	\$5,243.00	593
24x20	*	\$5,551.00	628
24	*	\$7,813.00	884

<b>TEE 2" TAP UT N48-2965</b>			
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
4	*	\$288.00	23
6	*	\$379.00	34
8	*	\$560.00	52
10	*	\$670.00	61
12	365229	\$843.00	84

<b>TEE UTxPE N48-2640</b>			
<b>Size</b>	<b>CL/TC UPC 670610</b>	<b>W/ Std Gasket</b>	<b>Weight</b>
6	364699	\$652.00	65
8x6	364700	\$992.00	99
12x6	*	\$1,475.00	140

**TYLER UNION DUCTILE IRON UNION-TITE C153 IMPORT FITTINGS LP2021-3 ND**

TEE UTxFE			N48-2870
Size	CL/TC UPC 670610	W/ Std Gasket	Weight
4	135722	\$352.00	49
6x4	135760	\$451.00	63
6	135746	\$472.00	70
8x4	135807	\$607.00	84
8x6	135821	\$614.00	96
8	135784	\$751.00	113
10x4	034261	\$816.00	111
10x6	135647	\$1,050.00	145
10x8	135661	\$1,164.00	162
10	034247	\$1,187.00	165
12x4	034315	\$1,050.00	142
12x6	135685	\$1,042.00	168
12x8	135708	\$1,240.00	169
12x10	*	\$1,307.00	142
12	034292	\$1,767.00	244
14x6	135869	\$2,122.00	286
14x8	*	\$3,206.00	263
14x10	*	\$2,874.00	246
14x12	*	\$3,424.00	296
14	*	\$3,699.00	321
16x6	*	\$2,274.00	308
16x8	135906	\$2,816.00	385
16x10	*	\$2,828.00	330
16x12	*	\$2,750.00	321
16x14	*	\$3,925.00	342
16	*	\$4,071.00	355
18x6	*	\$2,662.00	301
18x8	*	\$2,822.00	319
18x10	*	\$2,981.00	337
18x14	*	\$3,474.00	393
18x16	*	\$3,715.00	420
20x6	*	\$3,015.00	341

TEE UTxFE			N48-2870
Size	CL/TC UPC 670610	W/ Std Gasket	Weight
20x10	*	\$3,902.00	420
20x14	*	\$4,403.00	474
20x16	*	\$4,625.00	498
20x18	*	\$7,377.00	528
24x6	*	\$4,751.00	512
24x8	*	\$6,202.00	590
24x10	*	\$4,346.00	468
24x12	*	\$4,670.00	503
24x14	*	\$4,927.00	531
24x16	*	\$5,153.00	555

TEE UTxSWVL (w/ SWVL GLAND)			N48-2660
Size	CL/TC UPC 670610	W/ Std Gasket	Weight
6	034339	\$501.00	70
8x6	539469	\$858.00	100
8	*	\$945.00	110
10x6	*	\$1,117.00	130
10x8	*	\$1,339.00	156
12x6	451068	\$1,350.00	162
12x8	*	\$1,356.00	158
14x6	*	\$1,734.00	202
16x6	*	\$1,965.00	229
16x8	*	\$2,502.00	292
18x6	*	\$3,080.00	348
18x8	*	\$2,865.00	324
20x6	*	\$3,536.00	400
24x6	*	\$4,640.00	525

**TYLER UNION DUCTILE IRON UNION-TITE C153 IMPORT FITTINGS LP2021-3 ND**

WYE UT		N48-4110	
Size	CL/TC UPC 670610	W/ Std Gasket	Weight
4	*	\$308.00	53
6x4	281981	\$704.00	76
6	281980	\$870.00	85
8x4	281979	\$877.00	89
8x6	*	\$1,197.00	120
8	281982	\$1,426.00	125
10x4	351116	\$997.00	141
10x6	281917	\$1,302.00	151
10x8	281924	\$1,724.00	175
10	281900	\$1,548.00	200
12x4	*	\$1,646.00	178
12x6	281955	\$1,725.00	201
12x8	281962	\$1,889.00	224
12x10	281948	\$2,077.00	240
12	281931	\$2,018.00	289
14x6	*	\$2,023.00	236
14x8	*	\$2,186.00	255
14x10	*	\$2,784.00	325
14	*	\$4,067.00	475
16x6	*	\$2,410.00	281
16x8	*	\$2,604.00	304
16x12	*	\$2,961.00	346
16	*	\$3,254.00	380





# City of Pembroke Pines, FL

601 City Center Way  
Pembroke Pines, FL  
33025  
www.ppines.com

## Agenda Request Form

### Agenda Number: 8.

**File ID:** 22-0879

**Type:** Purchase

**Status:** Passed

**Version:** 1

**Agenda Section:**

**In Control:** City Commission

**File Created:** 11/08/2022

**Short Title:** Agreement with Ferguson Enterprises

**Final Action:** 12/14/2022

**Title:** MOTION TO APPROVE AN AGREEMENT WITH FERGUSON ENTERPRISES, LLC, FOR THE PURCHASE OF UTILITIES FITTINGS AND ACCESSORIES ON AN AS-NEEDED BASIS UTILIZING PRICING ESTABLISHED BY THE SEMINOLE COUNTY CONTRACT "IFB-603727/LNF" IN AN ANNUAL AMOUNT NOT TO EXCEED \$250,000, PURSUANT TO SECTION 35.18(C)(5) OF THE CITY'S CODE ORDINANCES.

**\*Agenda Date:** 12/14/2022

**Agenda Number:** 8.

**Internal Notes:**

**Attachments:** 1. Vendor Executed Agreement

1	City Commission	12/14/2022	approve	Pass
<b>Action Text:</b> A motion was made to approve on the Consent Agenda				
Aye: - 5 Mayor Ortis, Vice Mayor Schwartz, Commissioner Siple, Commissioner Good Jr., and Commissioner Castillo				
Nay: - 0				

MOTION TO APPROVE AN AGREEMENT WITH FERGUSON ENTERPRISES, LLC, FOR THE PURCHASE OF UTILITIES FITTINGS AND ACCESSORIES ON AN AS-NEEDED BASIS UTILIZING PRICING ESTABLISHED BY THE SEMINOLE COUNTY CONTRACT "IFB-603727/LNF" IN AN ANNUAL AMOUNT NOT TO EXCEED \$250,000, PURSUANT TO SECTION 35.18(C)(5) OF THE CITY'S CODE ORDINANCES.

**PROCUREMENT PROCESS TAKEN:**

- Chapter 35 of the City's Code of Ordinances is titled "PROCUREMENT PROCEDURES, PUBLIC FUNDS."
- Section 35.18 of the City's Code of Ordinances is regarding "COMPETITIVE BIDDING OR COMPETITIVE PROPOSALS REQUIRED; EXCEPTIONS."
- Section 35.18(C) states that "Only the following situations are exempt from the competitive bid and competitive proposal requirements of this section:"
- Section 35.18(C)(5) of the City's Code of Ordinances, "Commodities or services that

***are the subject of contracts with the state its political subdivisions or other governmental entities including the United States Government, are exempt from the competitive procurement process."***

***- Section 35.21 of the City's Code of Ordinances is titled "AWARD OF CONTRACT."***

***- Section 35.21(A) of the City's Code of Ordinances is titled "City Commission Approval."***

***- Section 35.21(A)(1) states, "An initial purchase of, or contract for, commodities or services, in excess of \$25,000, shall require the approval of the City Commission, regardless of whether the competitive bidding or competitive proposal procedures were followed."***

**SUMMARY EXPLANATION AND BACKGROUND:**

1. The Utilities Department is responsible for maintenance and repair of the City's water distribution and wastewater collection systems, via its operations and maintenance contract with Jacobs-OMI.
2. Maintenance and repair of these systems requires the procurement of a variety of parts, fittings, and accessories.
3. Staff has determined that direct procurement of these parts and fittings is in the City's best interest since the City is a tax-exempt entity.
4. The City Commission approved a piggyback agreement with Ferguson Enterprises on May 5, 2021 for the supply of these parts and fittings.
5. On July 13, 2022, Ferguson notified City staff that they could no longer honor the terms of the piggyback agreement due to inflationary price increases from their suppliers.
6. Due to the Department's continued needs for these parts and fittings, Staff researched alternatives for procurement and determined that utilizing the terms and conditions of the Seminole County Contract for Purchase of Inventory Parts for its Environmental Services Water and Wastewater Division is a feasible and beneficial option for the City. This contract, which was competitively procured and awarded on July 16, 2020, naturally expires on July 15, 2023 and may be renewed for two (2) additional one (1) year terms.
7. This contract is based on the bidder's offered discounts on the list price of various parts and fittings from manufacturers' catalogs or published list prices.
8. Staff recommends Commission approval of an agreement with Ferguson Enterprises, LLC, for the purchase of utilities fittings and accessories on an as-needed basis utilizing pricing from the Seminole County contract "IFB-603727/LNF" in an annual amount not to exceed \$250,000, pursuant to Section 35.18(C)(5) of the City's Code of Ordinances.

[Reviewed by Commission Auditor.](#)

**FINANCIAL IMPACT DETAIL:**

***Agenda Request Form Continued (22-0879)***

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- a) **Initial Cost:** \$250,000.00 annually
- b) **Amount budgeted for this item in Account No:** 471-533-6032-546150-0000-000-0000- (R&M Land & Building) 471-535-6021-546150-0000-000-0000- (R&M Land & Building)
- c) **Source of funding for difference, if not fully budgeted:** Not Applicable
- d) **5 year projection of the operational cost of the project:** Annual consumption is anticipated to be \$250,000.00. This contract was awarded on July 16, 2020 and expires on July 15, 2023; it may be renewed for two (2) additional one (1) year terms contingent on Seminole County's renewal.
- e) **Detail of additional staff requirements:** Not Applicable.

**FEASIBILITY REVIEW:**

*A feasibility review is required for the award, renewal and/or expiration of all function sourcing contracts. This analysis is to determine the financial effectiveness of function sourcing services.*

- a) **Was a Feasibility Review/Cost Analysis of Out-Sourcing vs. In-House Labor Conducted for this service?** Not Applicable.
- b) **If Yes, what is the total cost or total savings of utilizing Out-Sourcing vs. In-House Labor for this service?** Not Applicable.